

Taiwan Greening Your Life



2011-2012 台灣太陽光電採購指南

Taiwan Photovoltaic Industry Directory

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Taiwan Photovoltaic Industry Directory

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Taiwan Greening your Life





台灣太陽光電產業協會
Taiwan Photovoltaic Industry Association

Taiwan Photovoltaic Industry Association

TPVIA





Introduction to TPVIA

The Taiwan Photovoltaic Industry Association (TPVIA) was founded by PV-related industry and Industrial Technology Research Institute (ITRI). The TPVIA is a non-profit organization, that members is composed of covering all sectors of production and research, including: materials, solar cells, modules, systems technology, the accessories materials, manufacturing equipment and other industrial chain of upstream, middlestream and downstream, providing a platform for members to communicate with each other. Collecting the entire industrial opinion and communicate effectively with the government, establishing cooperation mechanism among industry, government, academy and researching organizations. Expect to make an effort for the global environmental protection, change the people attitude towards the use of energy, make solar power more closer to the people living.

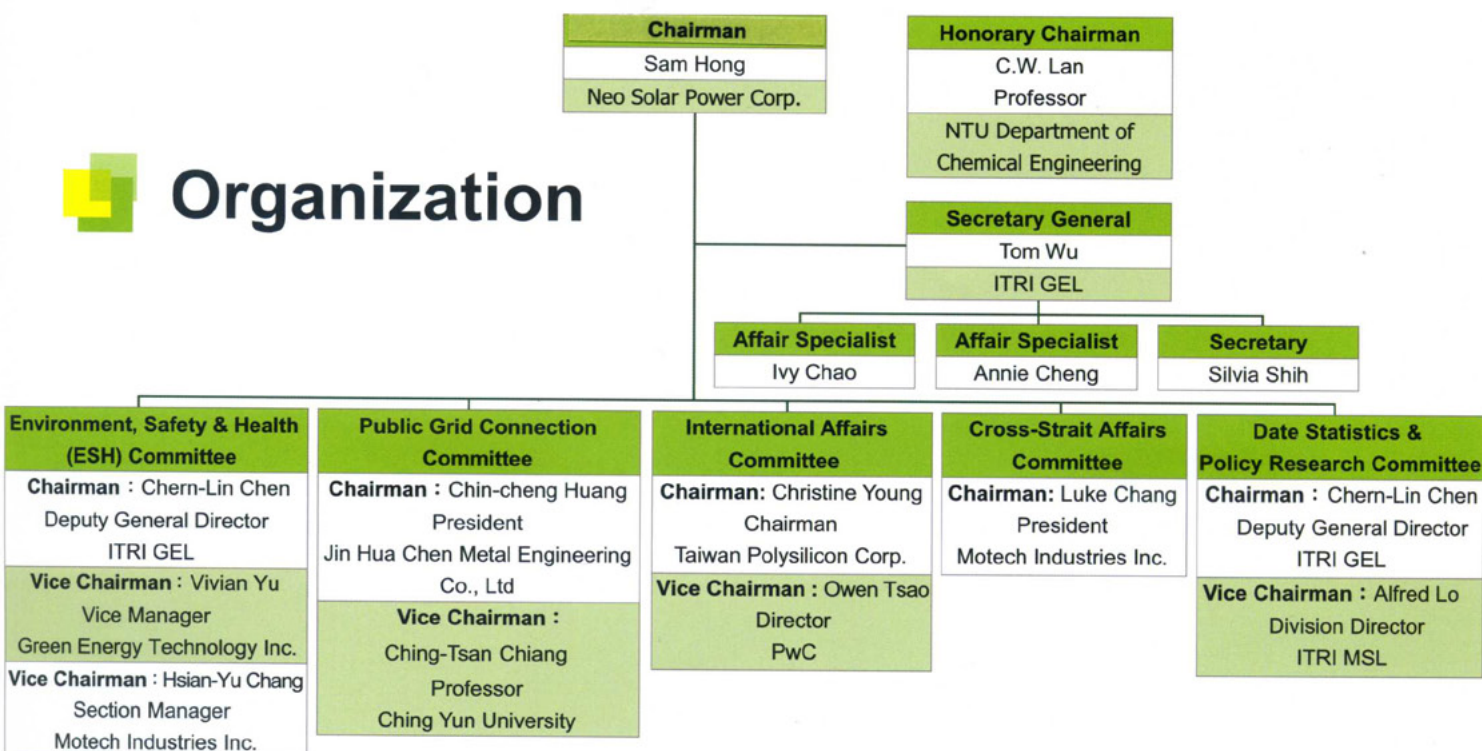


Missions of TPVIA

- Integrate the views and needs of the PV industry, helping government agencies develop the policies for promoting local PV industry.
- Establishing an information service platform, providing members with the global industry technology, market information and exchange business information services, besides according to needs to issue a newsletter or related books.
- Host and participate in domestic and foreign industry development and technology development meetings, seminars, exhibitions for education and training related to business and other related activities.
- Involve in solar domestic, international standards and certification institution of the establishment, intellectual property rights and environmental protection and other issues of the negotiation.
- Accelerating cooperation between members to form industry alliances, and other related organizations, use of the government to promote the development of the photovoltaic industry resources.
- Take advantage of TPVIA's website to enhance public use of knowledge and application of photovoltaic to expand the PV market and to give assistance of business promotion.
- Promoting and implement both the TPVIA's perspective and member's proposal.
- Executing projects such as consulting and service of PV Industry development from the government or PV companies' delegations.



Organization



Board of Director & Controller

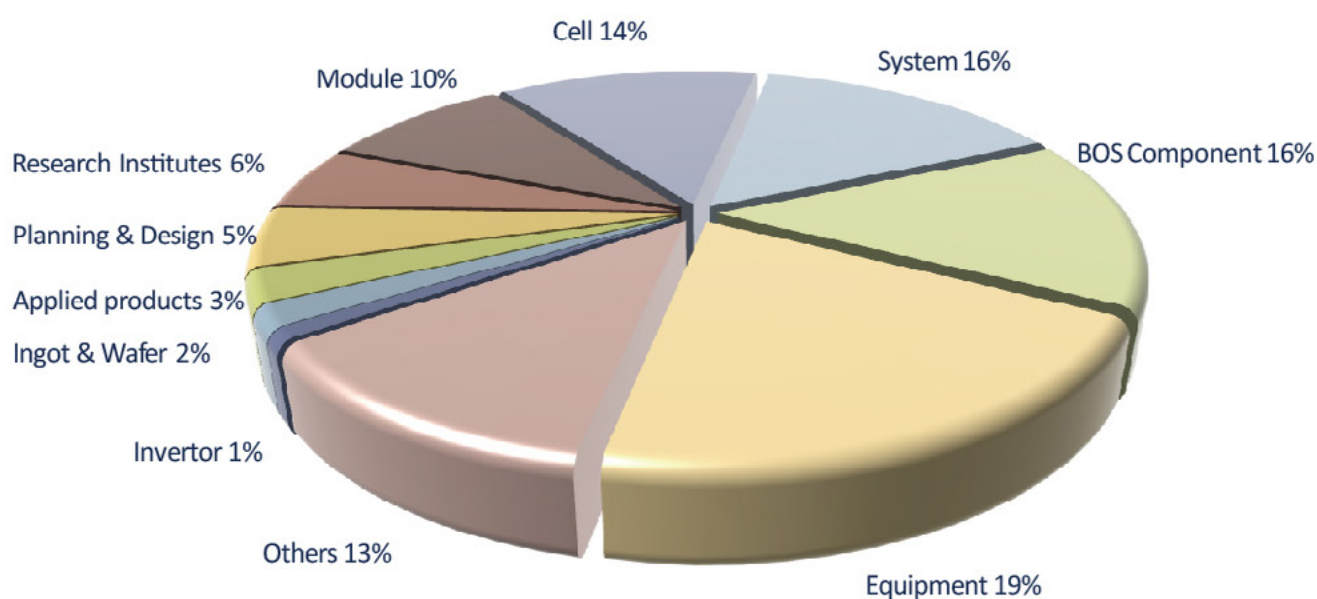
POSITION	NAME	JOB TITLE	COMPANY
Chairman	Sam Hong	President & COO	Neo Solar Power Corp.
Executive Director	Christine Young	Chairman	Taiwan Polysilicon Corp.
	Chern-Lin Chen	Deputy General Director	ITRI GEL
	Shih-Kun Chen	Vice President	AU Optronics Corp.
	Terry Tsao	Taiwan Area President	SEMI PV Group
Director	Luke Chang	President	Motech Industries Inc.
	Doris Hsu	President	Sino-American Silicon Products Inc.
	Alfred Lo	Division Director	ITRI MSL
	S.Y.Lin	Vice President	Green Energy Technology Inc.
	C.Y. Tsai	Chairman	Auria Solar Co., Ltd.
	Kevin Wang	Vice President	DelSolar Co.,Ltd.
	Charles Tsai	President	Delta Electronics, Inc.
	Ares Yang	Special assistant of President	NexPower Technology Corp.
	Frank Oyoung	President	Sunner Solar Corporation
	Lin, P S	President	Taiwan Glass Ind. Corp.
Executive Controller	Ching-Tsan Chiang	Professor	Ching Yun University
Controller	Chin-cheng Huang	President	Jin Hua Chen Metal Engineering Co., Ltd.
	Robert Huang	CEO	Kinmac Solar Corporation
	Andrew Tzeng	President	Arima Eco Energy Technologies Corp.
	J. J. Lee	President	Ever Energy Co., Ltd.
Honorary Chairman	C.W. Lan	Professor	NTU Department of Chemical Engineering



Members Composition

TPVIA Members over 206 PV companies in Taiwan (as of August 2011) , which have members in the PV industry related to every aspect of the distribution of its members are as follows.

2011 TPVIA Members Composition												
	Ingot & Wafer	Cell	Module	System	Invertor	Applied products	Planning & Design	Equipment	BOS Component	Research Institutes	Others	Total
Members	4	28	20	33	2	6	11	44	32	12	26	206
Percent	2%	14%	10%	16%	1%	3%	5%	19%	16%	6%	13%	100%



- Invertor
- Ingot & Wafer
- Applied products
- Planning & Design
- Research Institutes
- Module
- Cell
- System
- BOS Component
- Equipment
- Others



台灣太陽光電產業協會
Taiwan Photovoltaic Industry Association

Taiwan Photovoltaic Industry Association (TPVIA)

Address : Rm.207,Bldg 53,No.195,Sec.4, Chung Hsing Rd.,
Chutung, Hsinchu, Taiwan 31040

Telephone : +886-3-5918571 Ivy Chao
+886-3-5914838 Annie Cheng

Fax : +886-3-5820417

E-Mail : tpvia@itri.org.tw

Materials

Multi-crystalline Solar Brick

Environmental Performance

Provide the materials for renewable Solar energy conversion , reducing the dependence on fossil energy and nuclear energy.

Product Performance

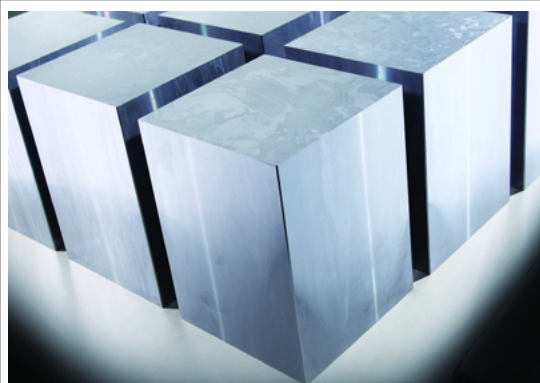
Danen Technology adopts high quality poly-silicon materials to produce Solar grade Poly-Silicon bricks which are ready for Solar Wafer manufacturing to support high quality, high conversion efficiency Solar Cells manufacturing purpose.

ISO 9001
ISO 14001
OHSAS 18001
RoHS

Danen Technology Corporation

No.599, Huan-Nan Rd., Taoyuan High-Tech Industrial Park, Guanyin Shiang, Taoyuan County 328, Taiwan, R.O.C.

Contact Person	Rex Liu Jr.
Telephone	+886-3-4738788 ext 1300
Fax	+886-3-4738368
E-mail	Rexliujr@danentech.com
Website	http://www.danentech.com



Taiwan, Rest of Asia · Europe and America

Materials

Low pressure plasma equipment

Environmental Performance

Provide the materials for renewable Solar energy conversion , reducing the dependence on fossil energy and nuclear energy.

Product Performance

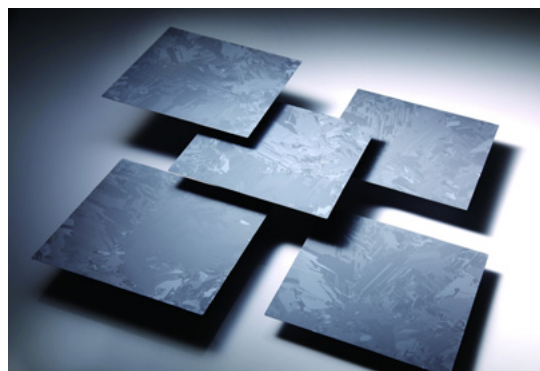
Danen Technology adopts high quality poly-silicon materials to produce Solar wafers for high quality, high conversion efficiency Solar Cells manufacturing.

ISO 9001
ISO 14001
OHSAS 18001
RoHS

Danen Technology Corporation

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Website	http://www.danentech.com



Taiwan, Rest of Asia · Europe and America

Materials

ETERDSC Ti-2105; ETERDSC Ti-2305; ETERDSC Ti-2325; ETERDSC Ti-6105; ETERDSC Ti-6305

Titanium dioxide paste for dye sensitized solar cell

Environmental Performance

Dye-sensitized solar cells have low-light power generation characteristics and colorful solar cell by using various color dye.

Product Performance

High-performance titanium dioxide paste products are photoelectrode materials of dye-sensitized solar cell (DSSC). Titanium dioxide paste is formed by anatase nano titanium dioxide particles. Titanium dioxide paste is using screen printing or rod coating process to coating on glass substrate and forming various shapes of working photoelectrode. Eternal Chemical titanium dioxide paste products have highly dye adsorption characteristics, stability of mass production and customized ability.

ETERNAL CHEMICAL CO.,LTD.

No.22, Changxing Rd., Luzhu Dist., Kaohsiung City, 821, Taiwan (R.O.C.)

Contact Person Wei Ting Yeh

Telephone +886-7-6963331 # 796

Fax +886-7-6968705

E-mail lambert_yeh@email.eternal-group.com

Website <http://www.eternal-group.com/>



Taiwan, China, Japan, Europe

Materials

ETERDSC EL-1215; ETERDSC EL-1415; ETERDSC EL-3415

Eternal Chemical Cooperation Limited

Environmental Performance

Dye-sensitized solar cells have low-light power generation characteristics and colorful solar cell by using various color dye.

Product Performance—

Eternal Chemical provide stable electrolyte products, products containing iodine series and ionic liquids series product, and each series electrolyte have liquid type and gel type electrolyte products for different process.

ETERNAL CHEMICAL CO.,LTD.

No.22, Changxing Rd., Luzhu Dist., Kaohsiung City, 821, Taiwan (R.O.C.)

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Website <http://www.eternal-group.com/>

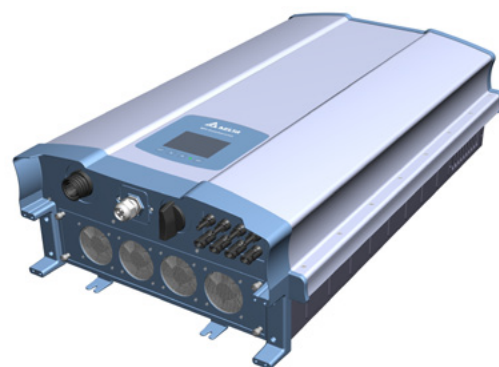


Taiwan, China, Japan, Europe

Materials											
ETERPRO YK-820											
Solar Cell Backsheet											
Environmental Performance											
Provide the materials for renewable Solar energy conversion , reducing the dependence on fossil energy and nuclear energy.											
Product Performance											
<ol style="list-style-type: none"> 1. Can increase the efficiency of power 2. Materials independent, unlimited capacity 3. Excellent weather resistance and electrical properties of the performance 4. Patents with many articles 											
<div> <div>ISO 9001</div> <div>ISO 14001</div> <div>OHSAS 18001</div> <div>  IEC60664-1 </div> <div>  UL1703 </div> <div>  Green products </div> </div>											
ETERNAL CHEMICAL CO.,LTD. 578 Chien Kung Road, Sanmin District, Kaohsiung, Taiwan 80778, R.O.C. <table> <tr> <td>Contact Person</td><td>Tony Hsu</td></tr> <tr> <td>Telephone</td><td>+886-7-6963331 # 790</td></tr> <tr> <td>Fax</td><td>+886-7-6968705</td></tr> <tr> <td>E-mail</td><td>tony_hsu@email.eternal-group.com</td></tr> <tr> <td>Website</td><td>http://www.eternal-group.com/</td></tr> </table>		Contact Person	Tony Hsu	Telephone	+886-7-6963331 # 790	Fax	+886-7-6968705	E-mail	tony_hsu@email.eternal-group.com	Website	http://www.eternal-group.com/
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E-mail	tony_hsu@email.eternal-group.com										
Website	http://www.eternal-group.com/										
<div>  <p>長興薄膜材料總覽表 ETERNAL Thin-Film Material Division (ETERTEC)</p> </div>											
Taiwan · China											

Materials											
TS8105 / TS9013											
Tex-Solar® PV Module Encapsulants EVA film											
Environmental Performance											
Product Performance											
<p>ISO 9001</p> <p>TexYear provides customers stable and high quality product to equip the PV modules with long-lasting, reliable, and efficient electric power generation.</p>											
Tex Year Industries Inc. No.9, Wuquan 6th Rd., Wugu Dist., New Taipei City 24889, Taiwan (R.O.C.) <table> <tr> <td>Contact Person</td><td>Lucille Hu</td></tr> <tr> <td>Telephone</td><td>+886-2-2299-2121# 249</td></tr> <tr> <td>Fax</td><td>+886-2-2290-1650</td></tr> <tr> <td>E-mail</td><td>Lucilleh@texyear.com</td></tr> <tr> <td>Website</td><td>http://www.texyear.com/</td></tr> </table>		Contact Person	Lucille Hu	Telephone	+886-2-2299-2121# 249	Fax	+886-2-2290-1650	E-mail	Lucilleh@texyear.com	Website	http://www.texyear.com/
Contact Person	Lucille Hu										
Telephone	+886-2-2299-2121# 249										
Fax	+886-2-2290-1650										
E-mail	Lucilleh@texyear.com										
Website	http://www.texyear.com/										
<div>  </div>											
Taiwan 、 China 、 India 、 Europe 、 America.											

Photovoltaic Components											
RPI202S 、RPI362S 、RPI502N 、RPI153N 、RPI203N											
PV Inverter											
Environmental Performance											
Delta's industrial cutting-edge technology presents the industrial leading efficiency as high as 98.1% and durable quality											
Product Performance											
Delta's PV inverter converts the sunlight energy generated by solar panels into grid-compatible current. It has an ultra wide voltage range, 2 sets of MPPT and IP65 protection. Delta's industrial cutting-edge technology presents the industrial leading efficiency as high as 98.1% and durable quality PV inverter to ensure your PV system operation.											
VDE0126-1-1											
DELTA ELECTRONICS, INC. 11491 Ruey Kuang Road, Neihu, Taipei 11491, Taiwan, R.O.C. <table> <tr> <td>Contact Person</td><td>Fione Chen</td></tr> <tr> <td>Telephone</td><td>+886-2-8797-2088 ext.6308</td></tr> <tr> <td>Fax</td><td>+886-2-2659-1621</td></tr> <tr> <td>E-mail</td><td>Fione.chen@delta.com.tw</td></tr> <tr> <td>Website</td><td>http://www.deltaww.com</td></tr> </table>		Contact Person	Fione Chen	Telephone	+886-2-8797-2088 ext.6308	Fax	+886-2-2659-1621	E-mail	Fione.chen@delta.com.tw	Website	http://www.deltaww.com
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Fax	+886-2-2659-1621										
E-mail	Fione.chen@delta.com.tw										
Website	http://www.deltaww.com										
Taiwan, China											



Photovoltaic Components											
PV3011											
AEC PV3011 Dual input renewable energy charge controller											
Environmental Performance											
Product Performance											
AEC PV3011 Dual Power Input Renewable Energy Charge Controller 1.Wide DC input voltage range : 100Vdc ~ 400Vdc 2.Wide AC input voltage range : 110Vac ~ 300Vac 3.Embedded with solar charger MPPT function : 200Vdc ~ 380Vdc 4.Maximum operating efficiency is higher than 93 % 5.Built-in intelligent controller has dual operating modes : charging and sourcing mode 6.Multiple protection functions : Low voltage, Impulse, Insulation ...etc. 7.RS485 communication protocol allows remote control and monitoring											
ISO 9001 CE UL CB FCC											
ALLIS ELECTRIC CO., LTD 12F.NO.19-11, SAN – CHUNG ROAD, NAN KANG DISTRICT , TAIPEI, TAIWAN , R.O.C. <table> <tr> <td>Contact Person</td><td>Terry Shih</td></tr> <tr> <td>Telephone</td><td>+886 – 2 – 2655 - 3456 # 2758</td></tr> <tr> <td>Fax</td><td>+886 – 2 @– 2655 - 3388</td></tr> <tr> <td>E-mail</td><td>terry.shih@allis.com.tw</td></tr> <tr> <td>Website</td><td>http://www.allis.com.tw</td></tr> </table>		Contact Person	Terry Shih	Telephone	+886 – 2 – 2655 - 3456 # 2758	Fax	+886 – 2 @– 2655 - 3388	E-mail	terry.shih@allis.com.tw	Website	http://www.allis.com.tw
Contact Person	Terry Shih										
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Fax	+886 – 2 @– 2655 - 3388										
E-mail	terry.shih@allis.com.tw										
Website	http://www.allis.com.tw										
Global											



Photovoltaic Components

ECO JB

Junction Box for Crystalline Photovoltaic Module

Environmental Performance

TUV/UL Dual Approval, 2 years warranty.

Product Performance

Material:	Housing: PPE+PS Cover: PPE+PS Waterproof Gasket: (TSE2186U) Conducting Strip: Copper Alloy
Mechanical	Wire Size Range : 2.5, 4, 6 mm2 AWG 10, 12, 14 Protection : IP 65 Closed
Electrical data	Rated current : 20 A Rated voltage : 1000 V DC Contact resistance : ≤ 11 m Ohm* *copper foil to cable (insertion)
Environmental	Temperature Range : -40°C up to +85°C for TÜV and +90°C for UL RoHS Compliant
Safety Approval and Standards	UL approved: File #E330398 TUV: approved: File # R 50194595

ISO 9001

ISO 14001



2 Pfg
1162/07.2007



UL1703

BizLink Technology

6F-1, Chunggho Dist, New Taipei, City, Taiwan, ROC.

Contact Person	Anthony Liu
Telephone	+886-2-82261000
Fax	+886-2-82261111
E-mail	anthony_liu@bizlinktech.com
Website	http://www.sunbolts.com



Global



Photovoltaic Components

S419

Junction Box for Crystalline Photovoltaic Module

Environmental Performance

TUV/UL Dual Approval, 2 years warranty.

Product Performance

Material:	Housing: PPE+PS Cover: PPE+PS Waterproof Gasket: (TSE2186U) Conducting Strip: Copper Alloy
Mechanical	Wire Size Range : 2.5, 4, 6 mm2 AWG 10, 12, 14 Protection : IP 65 Closed
Electrical data	Rated current : 20 A Rated voltage : 1000 V DC Contact resistance : $\leq 11 \text{ m Ohm}^*$ *copper foil to cable (insertion)
Environmental	Temperature Range : -40°C up to +85°C for TÜV and +90°C for UL RoHS Compliant
Safety Approval and Standards	UL approved: File #E330398 TUV: approved: File # R 50194595

ISO 9001

ISO 14001



2 Pfg
1162/07.2007



UL1703

BizLink Technology

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Global



Taiwan
Greening Your Life

Photovoltaic Components

S418

Photovoltaic Connector

Environmental Performance

TUV/UL Dual Approval, 2 years warranty.

Product Performance

Material: Housing: PPO(TUV)/PPE(TUV & UL)
Cover: PPO(TUV)/PPE(TUV & UL)
Waterproof Gasket: (TSE2186U)
Terminal: Copper Alloy with Silver Plating

Mechanical Wire Size Range : 2.5, 4, 6 mm²
AWG 10, 12, 14

Protection : IP 67 Closed

Electrical data

Rated current : 30 A

Rated voltage : 1000 V DC

Contact resistance : $\leq 11 \text{ m Ohm}^*$

*copper foil to cable (insertion)

Environmental

Temperature Range : -40°C up to +85°C for TÜV and
+90°C for UL

RoHS Compliant

Safety Approval and
Standards

UL approved: UL approved: File # E343184

TUV: approved: File # R50169230

ISO 9001

ISO 14001



EN 50521:2008



UL1703

BizLink Technology

6F-1, Chungho Dist, New Taipei, City, Taiwan, ROC.

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Website http://www.sunbolts.com



Global

Photovoltaic Components

PV CABLE

PV CABLE

Environmental Performance

TUV/UL Dual Approval, 2 years warranty.

Product Performance

1. Robust design.
2. Electro beam cross-linked.
3. Resistance against UV, water, ozone, fluids, oil, salt and general weathering.
4. Flame retarded.
5. Low smoke emissions.
6. Three colors: Red, Blue and Black.
7. RoHS compliant.
8. TÜV certified.
9. UL certified.

ISO 9001

ISO 14001



2 Pfg
1169/08.2007



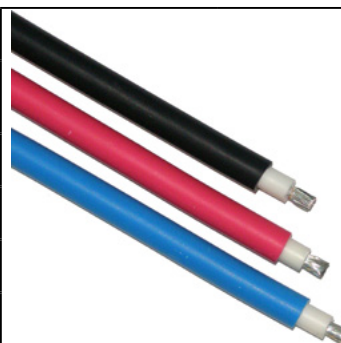
LISTED

UL4703 & USE-2
Sunlight Resistant

BizLink Technology

6F-1, Chunggho Dist, New Taipei, City, Taiwan, ROC.

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E-mail	anthony_liu@bizlinktech.com
Website	http://www.sunbolts.com



Global

Photovoltaic Components

S415

Photovoltaic Connector

Environmental Performance

TUV/UL Dual Approval, 2 years warranty.

Product Performance

Material:	Housing: PPE Terminal: Copper Alloy with Silver Plating
Mechanical	Protection : IP 67
Electrical data	Rated current : 30A, Contact resistance : $\leq 5 \text{ m}\Omega$ Rated voltage : TUV 1000/UL 600 V DC
Environmental	Temperature Range : -40°C up to +85°C for TÜV and +90°C for UL RoHS Compliant
Safety Approval and Standards	UL approved: File # E343184 TUV: approved: File # R 50185153

ISO 9001

ISO 14001



EN 50521:2008



LISTED

UL1703



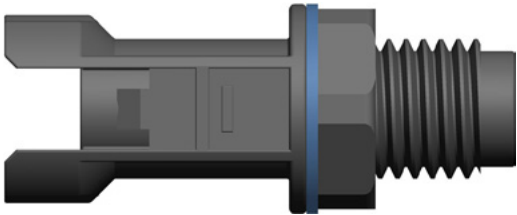
BizLink Technology

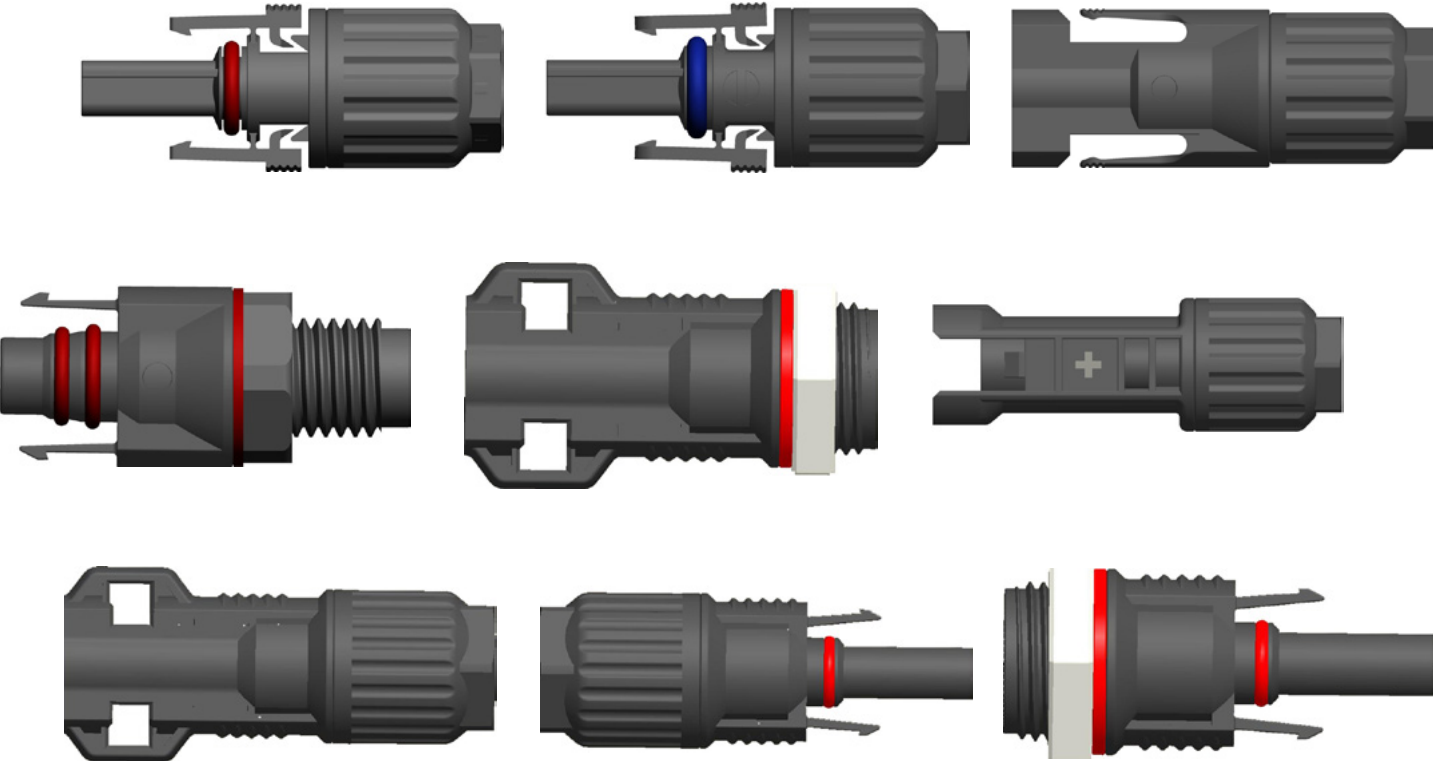
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Website	http://www.sunbolts.com



Global

Photovoltaic Components											
FC24C0110201											
2.4 mm connector Panel-end Male Minus											
<div>Environmental Performance</div> <p>Comply with UL and TUV standard</p> <div>Product Performance</div> <p>Low contact resistance, Slight heat raising, Easy to installation, Save installation cost, Water proof, Durability</p>											
<div> <div>Soyo Link Energy Co., Ltd.</div> <div>11F-3, No. 202, Sec. 1, Nankan Rd., Luzhu Township, Taoyuan County 33859, Taiwan</div> <table> <tr> <td>Contact Person</td><td>Nereid Wu</td></tr> <tr> <td>Telephone</td><td>+886-3-3216099</td></tr> <tr> <td>Fax</td><td>+886-3-3215055</td></tr> <tr> <td>E-mail</td><td>sales@soyolink.com; nereid@soyolink.com</td></tr> <tr> <td>Website</td><td>www.soyolink.com</td></tr> </table> <div>Global</div> </div> <div> <div>  <div>SAIART GEPRÜFT TYPE APPROVED</div> </div> <div>EN50521</div> </div> <div> <div>  <div>SAIART GEPRÜFT TYPE APPROVED</div> </div> <div>2pfG 1169/08.07</div> </div> <div>  </div>		Contact Person	Nereid Wu	Telephone	+886-3-3216099	Fax	+886-3-3215055	E-mail	sales@soyolink.com; nereid@soyolink.com	Website	www.soyolink.com
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Fax	+886-3-3215055										
E-mail	sales@soyolink.com; nereid@soyolink.com										
Website	www.soyolink.com										



Photovoltaic Components

FC24B0210001

2.4mm Branch Adaptors, Plus, 2 Male to 1 Female

Environmental Performance

Comply with UL and TUV standard

Product Performance

Low contact resistance, Slight heat raising, Easy to installation, Save installation cost, Water proof, Durability

Soyo Link Energy Co., Ltd.

11F-3, No. 202, Sec. 1, Nankan Rd., Luzhu Township, Taoyuan County 33859, Taiwan

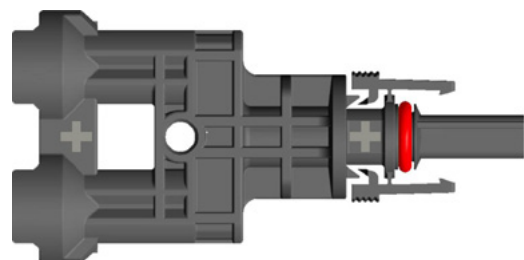
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Telephone +886-3-3216099

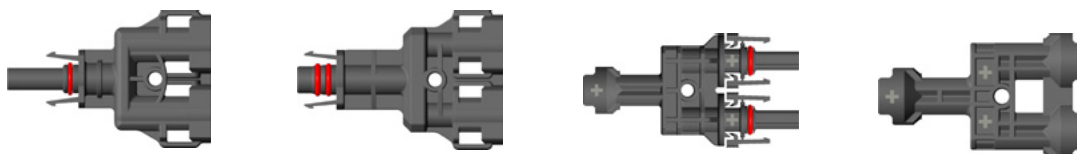
Fax +886-3-3215055

E-mail sales@soyolink.com; nereid@soyolink.com

Website www.soyolink.com



Global



Photovoltaic Components

FC24H0110001

AC connector Panel-end Male

Environmental Performance

Comply with UL and TUV standard

Product Performance

Low contact resistance, Slight heat raising, Easy to installation, Save installation cost, Water proof, Durability

Soyo Link Energy Co., Ltd.

11F-3, No. 202, Sec. 1, Nankan Rd., Luzhu Township, Taoyuan County 33859, Taiwan

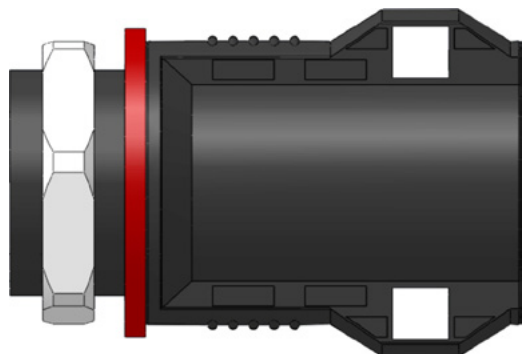
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Telephone +886-3-3216099

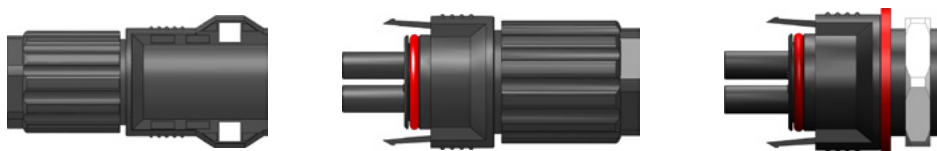
Fax +886-3-3215055

E-mail sales@soyolink.com; nereid@soyolink.com

Website www.soyolink.com



Global



Photovoltaic Components	
FA21A0110001	
2 to 1 type Cable Assembly	
Environmental Performance	
Comply with UL and TUV standard	
Product Performance	
Low contact resistance, Slight heat raising, Easy to installation, Save installation cost, Water proof, Durability	
Soyo Link Energy Co., Ltd.	
11F-3, No. 202, Sec. 1, Nankan Rd., Luzhu Township, Taoyuan County 33859, Taiwan	
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Telephone	+886-3-3216099
Fax	+886-3-3215055
E-mail	sales@soyolink.com; nereid@soyolink.com
Website	www.soyolink.com
Global	



Photovoltaic Components	
FC30H0110001	
3.0mm Fuse + Diode Connector	
Environmental Performance	
Comply with UL and TUV standard	
Product Performance	
Easy to installation, Save installation cost, Water proof, Durability	
Soyo Link Energy Co., Ltd.	
11F-3, No. 202, Sec. 1, Nankan Rd., Luzhu Township, Taoyuan County 33859, Taiwan	
Contact Person	Nereid Wu
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Website	www.soyolink.com
Global	



Photovoltaic Components

Aluminum Products For Solar Power

Environmental Performance

Recyclable

Product Performance

ISO 9001

The nature of aluminum is light, easy to be process and strong weatherability, after anodizing. It is also recyclable it will not cause environmental pollution. Our products can be applied to solar module frames, solar bracket, solar fixtures purposes, mounting system, and else.

Yuangee Industrial Co.,Ltd.

No.193.Sec.1,Erren Rd., Rende Dist., Tainan City, Taiwan R.O.C.

Contact Person Angela Hung

Telephone 886-6-2662511

Fax 886-6-2664233

E-mail ye@yuangee.com.tw

Website http://www.yuangee.com.tw



Europe, USA, Japan and Germany

Photovoltaic Modules

Solar Module

Solar Module

Environmental Performance

Product Performance

Apollo Solar Energy Co., Ltd., ASEC was established in 2005. After the pioneering stage, ASEC has become one of the leading solar module manufacturers and has the capability of satisfying/exceeding diversified demands from private household, commercial, residential, power plan, land field and industrial applications worldwide. With ISO-9001 & ISO-14001 certified facilities, ASEC practices state of the art quality control to ensure the high and consistent product quality. As a part of Tatung group, ASEC takes the great advantage of strategic alliances with the associated subsidiaries and other industry key players for long-term reliable partnerships. Furthermore, ASEC is committed to provide exceptional customer support thru professional teamwork within R&D, sales & marketing, manufacturing, quality assurance, and all other aspects of the organization. ASEC, your way to sustainability!

ISO 9001
ISO 14001
IEC 61215
IEC 61730
UL 1703
California CSI/NSHP
Florida FSEC

Apollo Solar Energy Co., Ltd.

No. 65-11, Jiutsuo Liao, Wuhan Village, Longtan Township, Taoyuan County, Taiwan, 32548

Contact Person Emily Chuang

Telephone +886-3-4798538

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E-mail sales@asectw.com

Website http://www.asectw.com



worldwide

Photovoltaic Modules

GSM6 6x10 Series

Multi-crystalline silicon PV module

Environmental Performance

1. High module conversion efficiency up to 14.64%
2. 10 years of 90% and 25 years of 80% power output limited warranty.
3. Our solar modules are clean, environmentally friendly and have passed Salt mist corrosion test.

Product Performance

1. 60 presorted high efficient multi-crystalline silicon solar cells.
2. Long term stability by quality control and exact tuning of components.
3. TUV mechanical load test certificate upon 5400 Pa.
4. Standard modules are sealed, weatherproof and are made with a frame design which enhances their ability to withstand high levels of ultraviolet radiation, moisture, strong wind, vibrations and sand.

ISO 9001
ISO 14001
IEC 61215
IEC 61730
REACH (EC)No
1907/2006
UL 1703



Gloria Solar Co.,Ltd.

3F, Building B, No. 9 Sanbaozhu Rd., Shanhua Dist., Tainan city 74149, Taiwan (R.O.C.)

Contact Person

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Telephone

+886-6-5059500

Fax

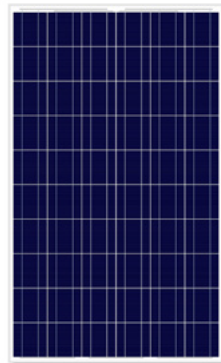
+886-6-5057100

E-mail

service@gloriasolar.com

Website

http://www.gloriasolar.com



Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

GSS6 6x10 Series

Mono-crystalline silicon PV module

Environmental Performance

1. High module conversion efficiency up to 15.26%
2. 10 years of 90% and 25 years of 80% power output limited warranty.
3. Our solar modules are clean, environmentally friendly and have passed Salt mist corrosion test.

Product Performance

1. 60 presorted high efficient mono-crystalline silicon solar cells.
2. Long term stability by quality control and exact tuning of components.
3. TUV mechanical load test certificate upon 5400 Pa.
4. Standard modules are sealed, weatherproof and are made with a frame design which enhances their ability to withstand high levels of ultraviolet radiation, moisture, strong wind, vibrations and sand.

ISO 9001
ISO 14001
IEC 61215
IEC 61730
REACH (EC)No
1907/2006
UL 1703



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Contact Person

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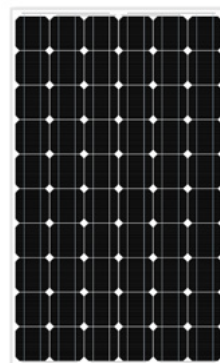
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http://www.gloriasolar.com



Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

TYN-75P6 ~ TYN-285P6, TYN-75S6 ~ TYN-315S6, TYN-50S5 ~ TYN-180S5

Solar PV module

Environmental Performance

Resources is the most important part in economic advancement process, population growth and industrialization deplete of the natural resources, people can see the resources shortage crisis immediately which should comes in the near future. Base on above reason, environmental protection is an important topic which is not allowed to be ignored.

In 1979, the Kyoto Protocol has made the standard for the signatory to control greenhouse vapor amount. Base on above reason, beside the vapor reduction, all the state search for renewable energy positively.

Solar energy is a kind of energy which is inexhaustible in supply and always available for use, it also won't deplete the nature resources or cause the environment pollution, the solar module powered with the character of clean without pollution , and unlimited of the region.

ISO 9001

UL

TUV

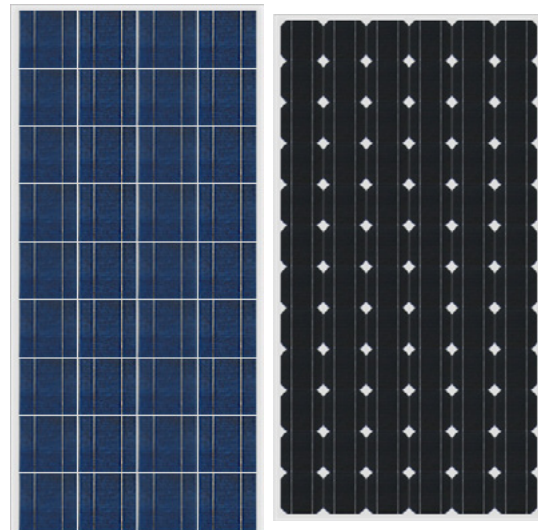
Product Performance

1. TUV Certified Materials-Cell, EVA, Ribbon, Back sheet and Junction box.
2. Low Iron Pattern Tempered Glass.
3. Specification diversity. Full ranges of solar panels. OEM and customized.
4. Install easy, reliable power performance.
5. Weather resistance, 25 years with warranty.
6. The first IPO Company in Solar Module Manufacturer in Taiwan

Tynsolar corporation

No. 620, Sec. 6, Jhonghua Rd., Siangshan District, Hsinchu City 300, Taiwan (R.O.C.)

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Website	http://www.gloriasolar.com



Korea 、 United States 、 Australia 、 Israel 、 Europe

Photovoltaic Modules

6" poly Tile Red cells

Environmental Performance

Product Performance

For residential, the option is no longer limited to cold blue or black; our Spanish style fired-clay RED solar tile can blend seemingly into your roof. Don't let the ugly blue solar box destroy the aesthetic beauty of your home. The roof of your house can remain warm and attractive.

For re-roofing or restoration, our renaissance French-roof GRAY can mingle intimately into the traditional architectural design. Without obstruct the original color and form, you can bring new life and function into a historical building - a new roof producing the renewable energy.

And our layout 6x10 6" poly Tile Red SPV module can generate 220w~230w which is equal to the power that blue panel generates. Until now there is no other manufacturers can reach this record. Again, LOF has proven to be the world leader of high efficiency color PV producer.

TUV

LOF Solar Corp.

2F, No.6, Prosperity Road 2 Hsinchu Science Park, Taiwan

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E-mail	theresa.chen@lofsolar.com
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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly Army Green cells

Environmental Performance

For commercial, our GREEN solar façade can show case the green energy by which your firm is painting the earth green, doing good deeds to the community, and fulfilling the social responsibility as a green villager

Product Performance

Our Army Green cells are installed in US Utah State University, the residence in the Black Forest, Germany, Shanghai World Exposition- China Pavilion, the residence in Jhongli City, Taiwan and so on. The residence in the Black Forest, Germany has installed the Rebel Green and Army Green panels with LOF's C-Cell inside. These environmental-friendly colors blend seamlessly into the forest and trees. The installation was completed in Jan, 2010. The panels were integrated as the balcony rail on the 2nd floor.

LOF SOLAR High Efficiency PV System colorize the China Pavilion 2010. The China Pavilion's concept is to reconstruct the beauty of Yuanmingyuan, once the most gorgeous palace in the world. The World Expo 2010 has installed three color solar panels : Tile Red, Army Green and Lake Cyan, provided by LOF SOLAR.

TUV

LOF Solar Corp.

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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly True Steel cells

Environmental Performance

Product Performance

LOF SOLAR has developed the first ever high efficiency color solar cell in the world. Our conversion efficiency is 30% higher than any competitor's products. Our C-Cell™ are now available in gray and other colors.

With LOF's patented nano technology, the C-Cell™ conversion efficiency remain high, recently confirmed by the Fraunhofer ISE (Institute for Solar Energy) in Germany. And their life time is comparable to the traditional blue solar cells, easily passing 25 years.

In the past, solar cells could only be produced in indigo hues, due to the antireflection film coated on the cell surface. The monochrome color of these cells inhibited its use in aesthetic design, and thus posed limits to its popularity. LOF's colorized solar cells do not hamper conversion efficiency, and its design can be combined with the exterior hues of buildings and houses, to enhance color coordination. Our C-Cell™ will lead the way into an "era of color", which will not only expand solar cell application, but will also greatly enhance its product value.

LOF Solar Corp.

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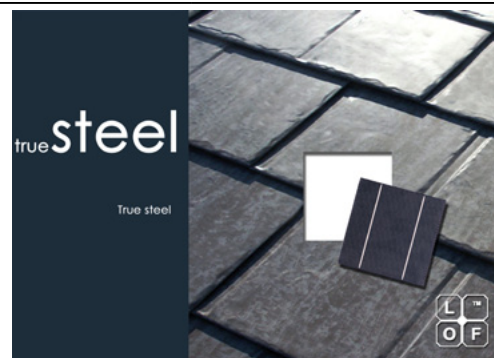
Contact Person Theresa Chen

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Website <http://www.lofsolar.com>



Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly Lavender cells

Environmental Performance

Product Performance

LOF SOLAR has developed the first ever high efficiency color solar cell in the world. Our conversion efficiency is 30% higher than any competitor's products. Our C-Cell™ are now available in gray and other colors.

With LOF's patented nano technology, the C-Cell™ conversion efficiency remain high, recently confirmed by the Fraunhofer ISE (Institute for Solar Energy) in Germany. And their life time is comparable to the traditional blue solar cells, easily passing 25 years.

In the past, solar cells could only be produced in indigo hues, due to the antireflection film coated on the cell surface. The monochrome color of these cells inhibited its use in aesthetic design, and thus posed limits to its popularity. LOF's colorized solar cells do not hamper conversion efficiency, and its design can be combined with the exterior hues of buildings and houses, to enhance color coordination. Our C-Cell™ will lead the way into an "era of color", which will not only expand solar cell application, but will also greatly enhance its product value.

LOF Solar Corp.

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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly Metallic Gold cells

Environmental Performance

Product Performance

Our Metallic Gold color cells present splendid magnificent color and cells have been installed in solar house in Tyrol, Australia, at the front of Ajax Operations Center, Ontario, Canada and Yeungjin Junior College, chilgok Campus.

The residence in Tyrol, Austria has installed the Metallic Gold panels with LOF's C-Cell inside. The golden solar panels were integrated as the balcony rail and façade, on the 2nd floor.

The installation was completed in March, 2010. This contemporary solar home by the Alps is a perfect showcase of a BIPV balcony and façade.

LOF Solar Corp.

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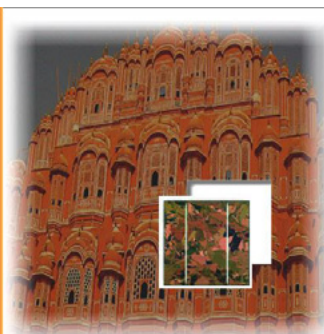
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Metallic Gold



Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly Rebel Green cells

Environmental Performance

Product Performance

Our 6" Rebel Green cells are installed in Seattle-Tac Airport, USA and residence in Black Forest, Germany and so on.

Our customer in Seattle-Tac, USA, chose our Army Green solar cell and combined it with glass to glass module. Arm Green modules were installed in Seattle-Tac Airport, USA in Dec 2010. It brings a new look to the Airport.

The residence in the Black Forest, Germany has installed the Rebel Green and Army Green panels with LOF's C-Cell inside. These environmental-friendly colors blend seamlessly into the forest and trees. The installation was completed in Jan, 2010.

LOF Solar Corp.

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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly Stone Elegance cells

Environmental Performance

Product Performance

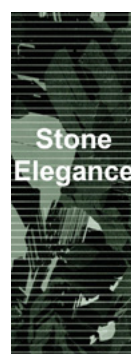
From September 2009, passengers flying through Italy Bari International airport, will see the "Solar Marble" from the sky. These elegant marble-like solar panels are made up of 5,400 pieces LOF's designer solar cell. These colorized solar cells named Stone Elegance are not only beautiful outside, but powerful inside. LOF's patented high efficiency color-coating technology made it possible to realize the 20 kWp system with only 90 panels. No other color cell manufacturers can reach this record so far. Again LOF proven to be the world-leading producers of high efficiency color solar cell.

The designer solar cell from LOF were presented in Tokyo Japan PV Expo, Verona Italy SolarExpo and Munich Germany Intersolar 2009. Among architects, designers, aesthetically-minded PV clients, it has made a huge sensation.

LOF Solar Corp.

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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6" poly Disco Pink cells

Environmental Performance

Product Performance

LOF SOLAR has developed the first ever high efficiency color solar cell in the world. Our conversion efficiency is 30% higher than any competitor's products. Our C-Cell™ are now available in gray and other colors.

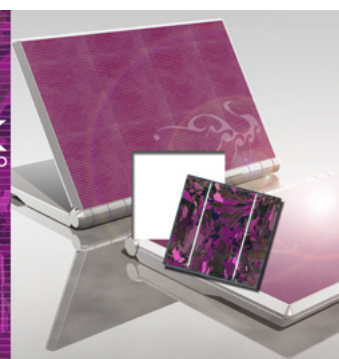
With LOF's patented nano technology, the C-Cell™ conversion efficiency remain high, recently confirmed by the Fraunhofer ISE (Institute for Solar Energy) in Germany. And their life time is comparable to the traditional blue solar cells, easily passing 25 years.

In the past, solar cells could only be produced in indigo hues, due to the antireflection film coated on the cell surface. The monochrome color of these cells inhibited its use in aesthetic design, and thus posed limits to its popularity. LOF's colorized solar cells do not hamper conversion efficiency, and its design can be combined with the exterior hues of buildings and houses, to enhance color coordination. Our C-Cell™ will lead the way into an "era of color", which will not only expand solar cell application, but will also greatly enhance its product value.

LOF Solar Corp.

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Website	http://www.lofsolar.com



Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

6x10 Color Standard PV Module

Environmental Performance

Product Performance

Features:

1. Multicrystalline silicon photovoltaic module.
2. High power module using 6" multicrystalline solar cell.
3. By pass diode is attached minimize power reduction caused by shade.
4. 60 solar cells and connection in series.
5. Using optical low iron tempered glass, EVA resin, module for outdoor use.
6. ± 5400 Pa testing load, extended test to CNS13972 for wind and snow loads.

TUV

Color Option:

1. All Classic Series
2. All Marble Series
3. All Custom Design

LOF Solar Corp.

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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

Color System Kit

Environmental Performance

Product Performance

The LOF Solar kit is 3kW is designed for residential use. Composed of photovoltaic panels and a solar inverter, the LOF Solar 3kW suited to the production and sale of electricity to the national grid. All the components are certified IEC and CE.

LOF Solar Corp.

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Taiwan, China, Japan, U.S.A, EU

Photovoltaic Modules

WD-A-CC-087

Silicon thin-film solar modules

Environmental Performance

Sun Well PV modules do not contain any heavy metals, is a truly environmental friendly renewable energy technology. Sun Well PV modules also adopt a frameless double-glass configuration by using PVB lamination foil; this kind of safety glass is specifically suitable for BIPV (Building Integrated Photovoltaic) solution. In addition, under the high-temperature environment, Sun Well amorphous PV modules show the best performance among all PV technologies. In the Sunbelt zone where not only has abundant sunlight but also high electricity demands on earth, Sun Well PV modules shown excellent advantages of performance and economic benefit.

ISO 9001

ISO 14001

QC 080000



Product Performance

The amorphous silicon (a-Si) thin-film PV production from Sun Well has many advantages, especially to produce its own TCO glass to achieve cost advantage. It is also capable of generating electricity in less than gleaming light environment. According to testing by NEDO of Japan (New Energy and Industrial Technology Development Organization), though a-Si thin-film PV has less efficiency than c-Si, its total annual electricity generation is actually 10% more than c-Si. At current moment Sun Well manufactures three types of module, which are non transparent, semi transparent and tandem panel. Please refer to the Sun Well solar website for more information. www.sunwellsolar.com

Sun Well Solar Corp.

220 WenHua 2nd Rd., Gueishan Township, Taoyuan County 333, Taiwan

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Germany, India, other European countries

Photovoltaic Modules

AA9634501 、AS8634501 、AB8634501 、AR9312001

Standard Module 、 See through 、 BIPV 、 Roof tile

Environmental Performance

Product Performance

Standard Module: framed, using on every kind of application.

See through: frameless, using on window, also for buildings.

BIPV: Building integrate photovoltaic, same type as standard module but frameless, which you could use on buildings.

Roof tile: take over traditional roof tile, put on roof tile strait away, it has beautiful outlook also it' s a solar panel.

ISO 9001
ISO 14001
UL 1703
IEC

Axuntek Solar Energy Co., Ltd.

NO.2, Yuanjhong Rd. Pingtung City, 900 Taiwan

Contact Person Ray Lin

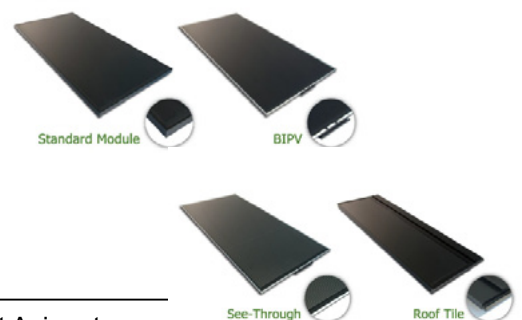
Telephone 08-8200888

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Website http://www.axuntek.com

AxunTek CIGS PHOTOVOLTAIC



Asia, Australia, New Zealand, America, South America, Canada, South east Asia, etc.

Photovoltaic Modules

GSS6 6x10 Series

Mono-crystalline silicon PV module

Environmental Performance

The amorphous thin-film modules produced by Green Energy Technology (GET) are frameless and encapsulated in a glass-glass manner. This technology and design greatly reduces the consumption of silicon, eliminates the materials and energy consumptions associated with aluminum framing, and makes the modules easier to be recycled in the future. GET works hard in minimizing the environmental impact of its product during production and recycling period, as a commitment to bring real green products to its worldwide consumers and partners in the long-run.

Product Performance

Thin-film photovoltaic panels could sustain its high performance level under non-ideal ambient condition such as high temperature, cloudy times, partially shades and imperfect installation angles, making them ultimately suitable to be used on large solar farms and BIPV applications. Green Energy Technology Inc. is the only manufacturer in Taiwan capable of producing G8.5 large thin-film panels (up to dimension of 2.6m x 2.2m) as well as offering panels with bonded back-rails. Such optimized design not only makes the panel easier to install, it also decreases the usage of panel supporting beams that helps to save the overall solar system cost significantly.



ISO 9001
ISO 14001
QC 080000
OHSAS18001-TOSHMS

Green Energy Technology

19-2,Tatung 1st Rd.,Kuanyin Industrial Park,kuanyin Township,Taoyuan County 32849,Taiwan,ROC. 32849

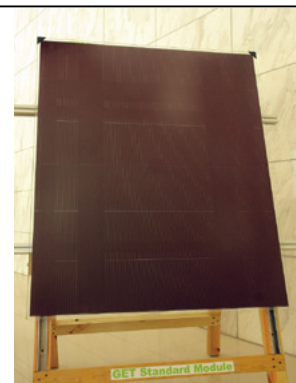
Contact Person Richard Li

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Website http://www.getinc.com.tw



Germany, Czech Republic, India and Thailand

Photovoltaic Modules

C115000, C120000, C125000, C130000

Micromorph Low Voltage Thin Film Module

Environmental Performance

Salt-Mist test- For close to coast or at sea application.

ISO9001-2008

UL1703



IEC 61730/1646

CE



Product Performance

The new Product of Auria Micromorph Low Voltage Thin Film Module, which are unique and competitive in the market. Besides retaining the characteristic of standard micromorph thin film module, Auria micromorph low voltage thin film module also offer additional benefits for our customer to enjoy, 1. Lower cost of BOS (Balance of System) for whole solar system from the reduction of using cable, DC box, protect circuit and labor. 2. Unique product which protected by more than 250 patents. 3. The best solution for stand-alone application, such as charging the standard 12V battery.

Auria Solar Co., Ltd.

No.9, Daye 1st Road, Tainan Science Park, Xinshih Dist., Tainan City 74146, Taiwan R.O.C.

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Europe, South East Asia, South North Asia, Taiwan, China, Australia, New Zealand, USA, Canada, Latin America, Africa.

Photovoltaic Modules

M110000, M115000, M120000

Micromorph Thin Film Solar Module

Environmental Performance

Salt-Mist test- For close to coast or at sea application.

ISO9001-2008

UL1703



IEC 61730/1646

CE



Product Performance

Auria micromorph solar modules have a tandem structure with an additional microcrystalline absorber underneath amorphous layer, which converts the energy of the red and near infrared spectrum, allowing an efficiency boost of approximately 50%.

With one of Auria's unique patents-Moon Technology, the stabilized output power (Pmpp) can be enhanced up to 10%, the energy yield will be 10%-15% higher due to the excellent low light performance, and superior reliability as well.

Auria Solar Co., Ltd.

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Website http://www.auriasolar.com



Europe, South East Asia, South North Asia, Taiwan, China, Australia, New Zealand, USA, Canada, Latin America, Africa.

Photovoltaic Modules

Customized solar modules for consumer electronics

Environmental Performance

Salt-Mist test- For close to coast or at sea application.

Product Performance

Auria designs and manufactures customized solar module in line with customer' s requirement. We provide both crystalline and thin film solar modules for consumer electronics. 100% customization can be achieved on dimension, open voltage, maximum power output, color, thickness (minimum 0.8mm) and even material of substrate. In addition, product weight can also be significantly reduced by new technique and material, purely to meet strict standard of the market.

Auria Solar Co., Ltd.

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Europe, South East Asia, South North Asia, Taiwan, China, Australia, New Zealand, USA, Canada, Latin America, Africa.

Photovoltaic Products

SF-SKLC-BK

SOLARKINDLE LIGHTED COVER FOR KINDLE 4

Environmental Performance

Salt-Mist test- For close to coast or at sea application.

Product Performance

The first Solar Lighted Cover for the Amazon Kindle E-reader in the market. It' s not only the epitome of GREEN, but also provides consumers with real function and utility for powering their electronic gadgets while "On the go" or while away from traditional power sources. It comes with durable solar panel and integrated solar charging circuit to reach the best system efficiency and collect renewable energy effectively for extending mobility.

The dual-charging (USB/solar) reserve battery greatly extends reading time, and powers a built-in LED reading lamp having the best illumination and coverage available for the Kindle. These features allow users to continue reading comfortably for as long as they wish, day and night, indoors and outdoors.

2012 CES BEST
CHOICE AWARD –
ECO DESIGN AND
SUSTAINABLE
TECHNOLOGY

ATOMTECH ENERGY & INDUSTRIALS CO., LTD.

BLDG C, 20F, NO. 90, SEC. 1, XINTAI 5TH RD, XIZHI DIST., NEW TAIPEI CITY, TAIWAN, R.O.C.

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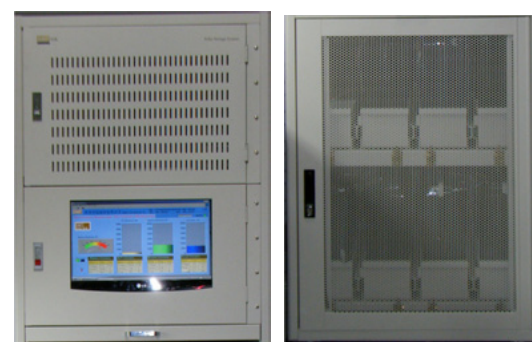
North American

Solar Power System	
SL60	
Mono-crystalline silicon PV module	
Environmental Performance <ol style="list-style-type: none"> 1. A Whole Solution for LED Street Light By Solar and AC Power Supply 2. High Efficiency MPPT charger and Safety Lithium-Ion Batteries Storage System. 3. Intelligent Dimming Control in Green Mode. 	
Product Performance <ol style="list-style-type: none"> 1. High Efficiency Solar/AC Lithium-Ion Battery Storage System. 2. High Efficiency LED Driver for Lighting. 3. 8 working modes can be selected by users. 4. AC Charger backup when Battery Low 5. Data Log by External Computer/NB 	
SIMPLO TECHNOLOGY CO.,LTD. No.471,Sec.2,Pa Teh Rd., Hu Kou 30348, Hsin Chu Hsien, Taiwan. ROC.	
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Taiwan, China, Japan, U.S.A, Canada, Germany	




ISO 9001
ISO 14001
QC 080000

Solar Power Stations	
S3K	
Solar Module	
Environmental Performance <ol style="list-style-type: none"> 1. A Whole Solution for Stand-Alone PV System. 2. High Efficiency MPPT charger and Safety Lithium-Ion Batteries Storage System. 3. Replace Traditional Lead Acid Batteries for Clean Energy Storage. 4. Low Power Consumption during Working. 5. VNC Remote Control. 6. Friendly User Interface for Monitor and Control. 	
Product Performance <ol style="list-style-type: none"> 1. MPPT Charger Features: a. N+1 Flexible MPPT Charger Design b. Solar MPPT Algorithm c. Battery Management System. 2. Battery Parallel Auto Balancing Technology. 3. AC Charger backup when Battery Low. 4. Based on Reliable CAN Protocol 5. Exclusive User Interface: Data Log, Real-Time Monitor and Control, Charge and Discharge Capacity. 	
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Taiwan, China, Japan, U.S.A, Canada, Germany	



ISO 9001
ISO 14001
QC 080000

Equipment	
ATMA LINE PV56(D)	
Solar Cell Automatic Screen Printing Line- Single Lane	
Environmental Performance	
Easy to maintain and upgrade 、 using recycle material	
Product Performance	
<div><div><div>1. High throughput</div><div>2. High precision printing</div><div>3. Stability production line</div><div>4. High accuracy double printing technology</div><div>5. Lowest breakage rate</div><div>6. Multitasking and high efficiency production</div><div>7. Smoothly wafer transportation</div><div>8. Automatic mechatronics machine</div><div>9. AOI integration function</div><div>10. Highly module design</div><div>11. Professional printing structure design</div><div>12. High accuracy optics alignment system</div><div>13. Multi-alignment options</div><div>14. Easy screen replacement</div><div>15. Rapidly temperature up-down dryer</div><div>16. Friendly humanity interface</div><div>17. Totally digital control</div><div>18. Lower owner cost</div><div>19. Best printing quality by ATMA Technologies: contactless printing technology and digital constant pressure control technology</div><div>20. Customization product for different customer needs and specific processing design</div></div><div><div>ISO 9001</div><div>ISO 14001</div><div><div>TAIWAN EXCELLENCE</div></div></div></div>	
ATMA CHAMP ENT. CORP.	
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Global	



Equipment	
ATMA LINE PV56(S)	
Solar Cell Automatic Screen Printing Line	
Environmental Performance	Easy to maintain and upgrade 、 using recycle material
Product Performance	
Automatic Buffer Feeder -PL61(S) <ul style="list-style-type: none">1. Customize the cassette for customers' need.2. Buffer is optional function.3. Shifting structure can increase production and lower breakage.4. Production 3200pcs/ hr (max) Automatic Electrode Screen Printing-PS61(D) <ul style="list-style-type: none">5. Higher capacity for buffer can have more time for changing cassette, solving problem or so on.6. Individual adjustment inspection system before the printing can raise up the production.7. Printing table can locate precisely8. Printing heads are using linear motor for locating on the proper position.9. Strong and stable structure to insure printing accurately10. Combine vision alignment system can execute accurate printing.11. Using horizontal shift structure can reduce wafer for the breakage12. Can coordinate with different AOI system13. Divided structure can install abnormal wafer collector buffer as an option Automatic Panel Curing Oven-PO61(D) <ul style="list-style-type: none">14. Combine radiation with heat air can raise up the temperature in the short time15. Using air to cool down the wafer16. Oil recycling system can prevent the remain oil to pollute wafer.	
ATMA CHAMP ENT. CORP.	
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Global	



Equipment											
ATMASC_25PP											
CCD Alignment Solar Cell Screen Printer											
Environmental Performance Easy to maintain and upgrade 、 using recycle material											
Product Performance <ol style="list-style-type: none"> 1. The machine is consisting of alignment system and printing mechanism. Easy loading and unloading procedure design to increase production 2. Specific design of screen frame for easy to install the screen and accomplish alignment. 3. Easy adjustment on squeegee inclination angle, depth, horizontal and pressure 4. Micro-pyramid dowels and vacuum lifting pin design to load and unload wafer easily with lower breakage 5. Fully cover the printing section to guarantee equipment safety, exterior and Environment protection 6. CCD alignment system to enhance the printing precision 7. HMI electrical control for multi-module, digital control and Error self-detecting 											
ATMA CHAMP ENT. CORP. No. 6, Wuquan 7th Rd., Wugu Dist., New Taipei City 248, Taiwan <table border="1"> <tr> <td>Contact Person</td><td>Tsai, Jeang-Ying</td></tr> <tr> <td>Telephone</td><td>+886-2-22991293 ext: 233</td></tr> <tr> <td>Fax</td><td>+886-2-22991291</td></tr> <tr> <td>E-mail</td><td>tj@atam.com.tw</td></tr> <tr> <td>Website</td><td>http://www.atma.com.tw</td></tr> </table>		Contact Person	Tsai, Jeang-Ying	Telephone	+886-2-22991293 ext: 233	Fax	+886-2-22991291	E-mail	tj@atam.com.tw	Website	http://www.atma.com.tw
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Global											

ISO 9001

ISO 14001



Equipment											
AT-25PSC											
Solar Cell Screen Printer											
Environmental Performance Made by steel and easy to recycle. Custom made easily to upgrade.											
Product Performance <ol style="list-style-type: none"> 1. Concept of over-hanging arm with automatic digital control 2. Printing by motor driving/ Smooth and quiet screen lift by linear guides / Digital control or printing stroke and speed. 3. Easy adjustment on squeegee inclination angle, depth, horizontal and pressure. 4. Micro-pyramid dowels and vacuum lifting pin design to load and unload wafer easily with lower breakage 5. HMI electrical control for multi-module, digital control and error self-detecting 											
ATMA CHAMP ENT. CORP. No. 6, Wuquan 7th Rd., Wugu Dist., New Taipei City 248, Taiwan <table border="1"> <tr> <td>Contact Person</td><td>Tsai, Jeang-Ying</td></tr> <tr> <td>Telephone</td><td>+886-2-22991293 ext: 233</td></tr> <tr> <td>Fax</td><td>+886-2-22991291</td></tr> <tr> <td>E-mail</td><td>tj@atam.com.tw</td></tr> <tr> <td>Website</td><td>http://www.atma.com.tw</td></tr> </table>		Contact Person	Tsai, Jeang-Ying	Telephone	+886-2-22991293 ext: 233	Fax	+886-2-22991291	E-mail	tj@atam.com.tw	Website	http://www.atma.com.tw
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Global											

ISO 9001

ISO 14001



Equipment	
PV56D	
Solar Cell Automatic Screen Printing Line- Dual Lane	
<div>Environmental Performance</div> <p>Easy to maintain and upgrade 、 using recycle material</p>	
<div>Product Performance</div> <ol style="list-style-type: none"> 1. High throughput 2. High precision printing 3. Stability production line 4. High accuracy double printing technology 5. Lowest breakage rate 6. Multitasking and high efficiency production 7. Smoothly wafer transportation 8. Automatic mechatronics machine 9. AOI integration function 10. Highly module design 11. Professional printing structure design 12. High accuracy optics alignment system 13. Multi-alignment options 14. Easy screen replacement 15. Rapidly temperature up-down dryer 16. Friendly humanity interface 17. Totally digital control 18. Lower owner cost 19. Best printing quality by ATMA Technologies: contactless printing technology and digital constant pressure control technology 20. Customization product for different customer needs and specific processing design 21. 6 printing head can increase the production. 22. User can operate machine at left side or right side either one. 23. Dual lane can process individually. When one of lane is stop, the other lane still can process. <div>ISO 9001</div> <div>ISO 14001</div>	
ATMA CHAMP ENT. CORP.	
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Global	



Equipment	
PV PRESS-LHMLV	
LAMINATOR	
Environmental Performance	
Made by steel and easy to recycle. Custom made easily to upgrade.	
Product Performance	
<p>Established in 1947, Lien Chieh Machinery Co. is specializing in a broad range of hydraulic press equipment certified by ISO9001 standards.</p> <p>Our diversity of HYDRAULIC PRESSES and PV Laminator are employed throughout the world, like the USA, India, England, Africa, Japan, Canada, Russia, Brazil, Austrila, South East Asia and China.</p> <p>Lien Chieh Machinery is currently expanding its sales network and service centers around the world, ensuring that international customers enjoy speedier service and more comprehensive support than ever.</p>	
LIEN CHIEH MACHINERY CO., LTD No. 102, Sec. 3, Nangang Rd., Taipei, 115, Taiwan.	
Contact Person	Jack Chuang
Telephone	+886-2-27838664
Fax	+886-2-27829637
E-mail	info@lienchieh.com
Website	http://www.lienchieh.com
USA, India, England, Africa, Japan, Canada, Russia, Brazil, Austrila, South East Asia and China.	

ISO 9001
CE



Equipment	
Auto-layup system	
Environmental Performance	
Product Performance	
<p>Auto-layup for strings, on module glass and first EVA sheet. The CCD camera provides high accuracy +/- 1mm for each string.</p>	
SCHMID AUTOMATION ASIA CO., LTD No. 421, Rungmin Rd., Chung Li City, Taoyuan, Taiwan	
Contact Person	Charlie Wen
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Website	http://www.schmid-group.com http://www.schmid-asia.com.tw
Europe, Asia, America, and etc.	



Equipment

VL-610, VL-611, VU-611, VL-609, VU-609

Cassette Loader/Unloader systems

Environmental Performance

Product Performance

ISO9001

For different process machines. Loader makes solar wafers into process machines from stack or cassette. After process, the wafers go into cassette. We can fit variable cassettes flexibly, to reach automatic and high yield solution.

SCHMID AUTOMATION ASIA CO., LTD

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Europe, Asia, America, and etc.

Equipment

VL-610, VL-611, VU-611, VL-609, VU-609

Cassette Transfer systems

Environmental Performance

Product Performance

ISO9001

Cassette Transfer systems can transfer wafers between different cassettes in PV industry.
Or put wafers from stack to cassette.

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Europe, Asia, America, and etc.

Equipment

Solar wafer/ Solar cell tester

Environmental Performance

Product Performance

ISO9001

For solar wafer/solar module testing requirements. The testing system integrates different sub-module like wafer metrology, PL, EL, P/N, I/V or color. The sorter can be customized design for different categories.

SCHMID AUTOMATION ASIA CO., LTD

No. 421, Rungmin Rd., Chung Li City, Taoyuan, Taiwan

Contact Person Charlie Wen

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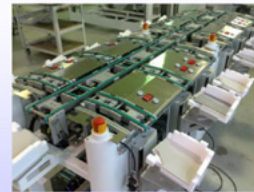
Fax +886 3 4356871

E-mail charlie.wen@schmid-asia.com.tw

Website <http://www.schmid-group.com>
<http://www.schmid-asia.com.tw>

Solar Wafer/ Solar Cell tester

SCHMID



Europe, Asia, America, and etc.

Service

Solar Module Line total solution

Environmental Performance

Product Performance

ISO9001

Solar Module line total solution. For different solar modules, we can provide customize machines. Furthermore, we can provide know-how transfer, module certification, training, and etc services.

SCHMID AUTOMATION ASIA CO., LTD

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Solar Module Line total solution

SCHMID



Europe, Asia, America, and etc.

台灣太陽光電採購指南

2011-2012 Taiwan Photovoltaic Industry Directory

Organized by:



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**Taiwan
Greening
Your Life**