

PROINSO

# 2018 SOLAR CATALOGUE

GLOBAL

# PROINSO

PROFESSIONALS IN SOLAR

## YOUR ONE-STOP-SHOP FOR INTEGRATED PV SOLUTIONS

Over a decade of solar experience and 2.7+ GW of projects supplied globally



SHOP ONLINE



## STRATEGIC PARTNERS



## PROINSO TECHNOLOGY



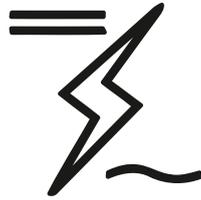
## SUPPLY PARTNERS



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# INVERTERS





# SMA SOLAR TECHNOLOGY AG ENERGY THAT CHANGES

No. 1 inverter manufacturer by global revenue



As a leading global specialist for photovoltaic system technology, SMA is setting the standards today for the decentralized and renewable energy supply of tomorrow. More than 3,000 SMA employees in 20 countries have devoted themselves to this task. SMA's innovative solutions for all photovoltaic applications and their unsurpassed service offer their customers worldwide greater independence in meeting their energy needs.

## EXPLORE OUR COMPLETE PORTFOLIO OF SMA PRODUCTS

Over 1.3 GW of SMA supplied by PROINSO globally



**SUNNY BOY**  
15 / 2.5



**SUNNY BOY**  
3.0 / 3.6 / 4.0 / 5.0



**SUNNY BOY**  
3.0-US / 3.8-US / 5.0-US /  
6.0-US / 7.0-US / 7.7-US



**SUNNY TRIPOWER**  
3.0 / 4.0 / 5.0 / 6.0



**SUNNY TRIPOWER**  
5000TL / 12000TL



**SUNNY TRIPOWER**  
12000TL-US / 15000TL-US /  
20000TL-US / 24000TL-US / 30000TL-US



**SUNNY TRIPOWER**  
15000TL / 20000TL / 25000TL



**SUNNY TRIPOWER 60**  
STP 60-10 / STP 60-10 ( IEC AND JP)



**SUNNY**  
**HIGHPOWER PEAK1**



**SUNNY TRIPOWER CORE1**  
STP 50-40 / 50-US-40



**SUNNY BOY STORAGE**  
2.5



**SUNNY BOY STORAGE**  
3.8-US / 5.0-US / 6.0-US



**SUNNY BOY STORAGE**  
3.7 / 5.0 / 6.0



**SUNNY ISLAND**  
4.4M / 6.0H / 8.0H



**SUNNY ISLAND**  
4548-US / 6048-US



**MULTICLUSTER BOX FOR  
SUNNY ISLANDS**  
MULTICLUSTER BOX FOR SI 6.0 / 8.0H /  
MULTICLUSTER BOX 12U FOR SI  
4548 AND 6048US



**SUNNY CENTRAL**  
SC 500CP-10 / 630CP-10 /  
720CP-10 / 760CP-10 / 800CP-10 /  
850CP-10 / 900CP-10 /  
1000CP-10



**SUNNY CENTRAL**  
1850-US / 2200-US /  
2500-EV-US / 2750-EV-US



**SUNNY CENTRAL**  
SC 2200-10 /  
2500-EV-10 / 2750-EV-10



**SUNNY CENTRAL STORAGE**  
SCS 500 / 630 / 720 /  
760 / 800 / 850 / 900 / 1000



**SUNNY CENTRAL STORAGE**  
SCS 2200-EV-10 / 2475-EV-10 /  
2500-EV-10 / 2750-EV-10



**MEDIUM VOLTAGE STATION  
FOR SUNNY TRIPOWER**  
MVS 600-STP-10 / 660-STP-10 /  
1200-STP-10 / 1800-STP-10



**MV POWER STATION**  
MVPS 500SC / 630SC /  
800SC / 900SC / 1000SC / 1250SC /  
1600SC / 1800SC / 2000SC



**MV POWER STATION**  
MVPS 2200SC-EV /  
2500SC-EV / 2750SC-EV /  
4400SC / 5000SC-EV / 5500SC-EV



## HUAWEI INVERTERS FOR SOLAR PANELS

No. 1 inverter manufacturer by global shipments



Huawei is a leading global information and communications technology (ICT) solutions provider. Driven by a commitment to sound operations, ongoing innovation, and open collaboration, they have established a competitive ICT portfolio of end-to-end solutions in telecom and enterprise networks, devices, and cloud technology and services. Huawei's ICT solutions, products, and services are used in more than 170 countries and regions, serving over one-third of the world's population. With 180,000 employees, Huawei is committed to enabling the future information society, and building a Better Connected World.

Huawei introduced the leading smart PV solution that incorporates its expertise in digital information technology, Internet technology, and PV technology, which has been accumulated for over 20 years. Based on innovative concepts such as simple, full-digital, and automatic global O&M, Huawei aims to build smart solar plants supporting higher yields, smart O&M, and safety and reliable, helping customers maximize their ROI within the power plant life cycle. Huawei's smart PV solution has been widely applied around the world.

### EXPLORE OUR COMPLETE PORTFOLIO OF HUAWEI PRODUCTS



**SUN2000L**  
2 / 3 / 3.68 / 4 / 4.6 / 5KTL



**SUN2000**  
8 / 20KTL



**SUN2000**  
25 / 30KTL-US



**SUN2000**  
33KTL-A



**SUN2000**  
33 / 36 / 40KTL-US



**SUN2000**  
36KTL



**SUN2000**  
45KTL-US-HV



## ZEVERSOLAR

The best of two worlds: Chinese efficiency and German quality standards



Founded in 2007, Zeversolar is a leading Chinese manufacturer of reliable, affordable and simple photovoltaic inverters. The company became part of SMA group in 2013. With headquarters in Suzhou (China), branch offices in Germany and Australia and more than 250 employees. Zeversolar produces string inverters for residential and commercial applications as well as central inverters for industrial usage. Software and monitoring tools round off the portfolio. Zeversolar combines the best of both worlds: Chinese flexibility and German reliability.

### EXPLORE OUR COMPLETE PORTFOLIO OF ZEVERSOLAR PRODUCTS



**EVERSHINE TL  
SOLAR INVERTERS**  
TL3680 / TL5000



**EVERSHINE TLC  
SOLAR INVERTERS**  
4000TLC / 5000TLC /  
6000TLC / 8000TLC / 10000TLC



**ZEVERLUTION S  
SOLAR INVERTERS**  
1000S / 1500S / 2000S / 3000S



**ZEVERLUTION  
SOLAR INVERTERS**  
3680 / 4000 / 5000

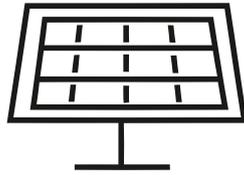


**EVERSOL TLC  
SOLAR INVERTERS**  
TLC15K / 17K / 20K



**ZEVERLUTION PRO  
SOLAR INVERTERS**  
PRO 33K

# PANELS



## JINKO SOLAR

No. 1 PV module manufacturer globally



JinkoSolar (NYSE: JKS) is a global leader in the solar industry. JinkoSolar distributes its solar products and sells its solutions and services to a diversified international utility, commercial and residential customer base in China, the United States, Japan, Germany, the United Kingdom, Chile, South Africa, India, Mexico, Brazil, the United Arab Emirates, Italy, Spain, France, Belgium, and other countries and regions. JinkoSolar has built a vertically integrated solar product value chain, with an integrated annual capacity of 5.0GW for silicon ingots and wafers, 4.0GW for solar cells, and 6.5 GW for solar modules, as of March 31, 2017.

### EXPLORE OUR COMPLETE PORTFOLIO OF JINKO PRODUCTS



**EAGLE**  
Eagle 48 / 60 / 72



**EAGLE PERC**  
Eagle PERC 48 / 60 / 72



**EAGLE DUAL**  
Eagle Dual 60 / 72



**EAGLE PLUS**  
Eagle Plus 48 / 60 / 72



**EAGLE MCT**  
Eagle Black 60 / 72



**EAGLE PERC PLUS**  
JKM300M-60 / JKM360M-72



**1500V MODULE**  
JKM280PP-60-V / JKM335PP-72-V  
JKM300M-60-V / JKM360M-72-V



**SMART MODULE**  
M Series / S Series

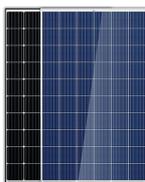
## TRINA SOLAR

Large projects require a reliable partner and quality products



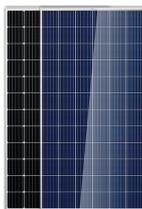
As the world's leading provider of smart solar solutions, Trina Solar delivers PV products, applications and services to promote global sustainable development. Through constant innovation, it continues to push the PV industry forward by creating greater grid parity of PV power and popularizing renewable energy. Trina's mission is to boost global renewable energy development around the world for the benefit of all of humanity. Through 2017, Trina Solar has delivered more than 32 GW of solar modules worldwide, accounting for more than 10 percent of global market share. This makes it the largest solar module supplier in the world and earned Trina the 13th spot on the "2016 Global Top 500 New Energy Enterprises".

### EXPLORE OUR COMPLETE PORTFOLIO OF TRINA SOLAR PRODUCTS



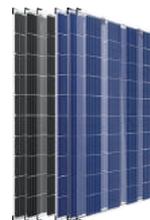
#### 60 CELL PV MODULE

ALLMAX - PE05A / ALLMAX - DE05A (II) /  
HONEY - PD05 / HONEY M PLUS - DD05A.05 (II) /  
HONEY M PLUS - DD05A.08 (II)



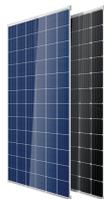
#### 72 CELL PV MODULE

TALLMAX - PD14 / TALLMAX-PE14A /  
TALLMAX M PLUS - DD14A(II) /  
TALLMAX M PLUS - DE14A(II)



#### DUAL GLASS 60-CELL MODULES

DUOMAX - PEG5 /  
DUOMAX M PLUS - DEG5(II) /  
DUOMAX twin - DEG5C.07(II)



#### DUAL GLASS 72-CELL MODULES

DUOMAX - PEG14 /  
DUOMAX M PLUS - DEG14 (II)



## TALESUN

Tier 1 ranked by Bloomberg New Energy Finance



Talesun Solar Technologies is an international manufacturer of solar cells and modules: European premium quality level linked with an excellent price-performance ratio.

Founded in 2010, Talesun Solar Technologies mother company is Zhongli Group which counts 29 years of experience. Talesun Solar Technologies is a worldwide leading manufacturer of photovoltaic solar cells and modules of high quality. Talesun is ranked in Tier 1 of Bloomberg New Energy Finance.

### EXPLORE OUR COMPLETE PORTFOLIO OF TALESUN PRODUCTS



**POLYCRYSTALLINE SOLAR  
MODULE 72 CELL SERIES**  
TP672P



**POLYCRYSTALLINE SOLAR  
MODULE 60 CELL SERIES**  
TP660P

# STRUCTURES





## PROINSO PV RACK

Robust aluminium structures designed and made in Europe



When developing the PROINSO PV RACK mounting structures we have leveraged more than a decade of solar experience from our staff. Our objective was to create products that would reduce installation time, come in compact packaging to optimise transportation and storage costs for distributors; while using robust and high quality materials in order to ensure the maximum safety for our PV projects. The result was PROINSO PV Rack – one of the simplest rooftop structures to assemble on the PV market. It adds exceptional value to commercial and residential projects by offering versatility and usability.

PROINSO PV Rack offers you a complete range of solar panel mounting structures which include flat roof and pitched roof structures, suitable for all standard residential and commercial roof types. All our structures can be ordered in pre-packaged boxes, or customised based on your project specifications. All our products are manufactured in Europe, complying with the EU standards, and certified by TÜV, reducing the risk to installers.

### EXPLORE OUR COMPLETE PORTFOLIO OF PROINSO PV RACK PRODUCTS



MINI 10 PRO



MINI 40 PRO



TRIANGLE PRO



TRIANGLE E-W PRO

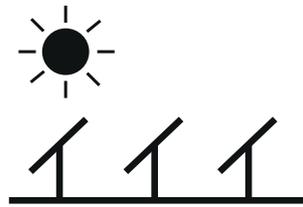


TRIANGLE S PRO



TILE PRO

# TRACKING SYSTEM



**TURNSOLE**  
Powered by OMRON



# TURNSOLE

Powered by OMRON

## TURNSOLE POWERED BY OMRON

Horizontal Single Axis Tracking System



TURNSOLE Powered by OMRON is a fully integrated project solution, based on a horizontal single axis tracker system, engineered and optimised using world-class PV components (modules, inverters and BOS). The technology has evolved from a combination of more than 10 years' tracker and 80 years' electronics experience. Developed in partnership with OMRON, the Japanese leader in power electronics, our TURN-SOLE solution embodies technological advancement focusing on robustness and reliability.

Combining TURNSOLE Powered by OMRON with our worldwide network of Qualified Installers, offered to customers as an added-value service, we proudly present a streamlined solution for all your global projects. Take advantage of this ultimate plug-and-play solar system to reduce your engineering costs and fast forward implementation of your projects.

### EXPLORE OUR COMPLETE PORTFOLIO OF TURNSOLE PRODUCTS



#### ROBUST & RELIABLE

Our tracking solution combines engineering expertise from PROINSO's long-term strategic supply partners, all global leaders in their respective technologies.



#### INCREASED YIELD

Our tracking system will increase energy yield on your projects by up to 25% (compared to fixed-structure installations).



#### ONE-STOP-SHOP SOLUTION

TURNSOLE Powered by OMRON is more than a tracker. This powerful tracking system is fully integrated using world-class solar PV components.



#### REDUCED INSTALLATION COSTS

Our ready-to-use tracker will lessen installation and maintenance time. Simplified installation of TURNSOLE Powered by OMRON tracking system will result in lower man-hours, while optimised foundation design reduces civil work costs.



#### FIT FOR ALL TERRAINS

Thanks to its optimized design featuring 40 panels in a single line, TURNSOLE Powered by OMRON has a high degree of flexibility, which makes it suitable for even the most complicated shaped terrains.



#### GLOBAL INSTALLATION & SERVICE

We are proud of our exclusive network of Qualified Installers who demonstrate technical expertise and comply with the highest professional standards in the industry.



## MECASOLAR

15 years of excellence

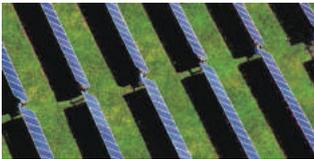


MECASOLAR is a company with clear commitment to customer service. Aiming to meet our client's objectives we leverage quality, performance, price competitiveness and history. These constitute our strength and warranty.

MECASOLAR's solar tracking systems have been delivered to more than 45 countries throughout the last 15 years, demonstrating our expertise in significant challenges all around the world.

Within this time MECASOLAR has designed and manufactured some of the most innovative tracking solutions, achieving a leading position in the solar systems market.

### EXPLORE OUR COMPLETE PORTFOLIO OF MECASOLAR PRODUCTS



**1-AXIS SINGLE ROW HORIZONTAL TRACKER HYPERION-SR®**



**2-AXIS TRACKER**

# ENERGY STORAGE





## TROJAN SOLAR DEEP-CYCLE BATTERIES

Designed for Best Value in Solar & Storage Applications



With the invention of the golf car battery for the Autoette vehicle in 1952, Trojan pioneered the development of deep-cycle battery technology for the golf industry; successfully introducing mobilization to the game of golf. For Trojan, this began a legacy of leadership and innovation that prevails today in the global, deep-cycle markets spanning applications for golf and utility vehicles, renewable energy, transportation, floor machines, aerial work platforms, marine and recreational vehicles.

### EXPLORE OUR COMPLETE PORTFOLIO OF TROJAN PRODUCTS

Deep-Cycle batteries for solar applications



#### SOLAR INDUSTRIAL LINE

SIND 06-610 / 06-920 / 06-1225 /  
04-1685 / 04-2145 / 02-1990 /  
02-2450



#### SOLAR PREMIUM LINE

SPRE 12-225 / 06-255 /  
06-415 / 02-1255



#### SOLAR SIGNATURE LINE

S SIG 12-170 / 12-230 /  
12-255 / 06-235 / 06-255 /  
06-290 / 06-375 / 06-405 / 06-475 /  
06-490 / 12-95 / 12-120 / 12-145



#### SOLAR AGM LINE

SAGM 12 105 / 12-135 / 12-205 /  
08-165 / 06-220 / 06-315 / 06-375 /  
U1 / 24 / 27 / GC12



#### DEEP-CYCLE GEL

24 / 27 / DIN / 8D /  
GC8 / GC2 / DIN

## TESVOLT

The energy storage experts



TESVOLT specialises in commercial battery storage systems. The innovative company from Lutherstadt Wittenberg/ Germany produces storage systems with state-of-the-art prismatic lithium battery cells from Samsung SDI, based on nickel manganese cobalt oxide. TSVOLT storage systems function just as well at low voltage as at high voltage, and can be connected to all energy producers: sun, wind, water, biogas and combined heat and power – on-grid and off-grid. All storage systems are produced at TSVOLT's manufacturing facility in Germany.

The company was founded with the ambition to continue to drive the renewable energy sector forward. The company's co-founders, Daniel Hannemann and Simon Schandert, have been working in the photovoltaic sector for many years, so they have excellent knowledge of the market and innovations in the renewables industry. They have named TSVOLT after battery inventors Nikola Tesla and Alessandro Volta.

### EXPLORE OUR COMPLETE PORTFOLIO OF TSVOLT PRODUCTS



#### TS 48 V LITHIUM STORAGE SYSTEM

TS 25 / 40 / 50



**BYD**

The battery that powers BYD cars, buses, and forklift trucks



BYD Company Limited, a leading high-tech multinational company founded in 1995 and listed on Hong Kong Stock Exchange and Shenzhen Stock Exchange, now operates in the four core fields of IT, automotive, new energy, and rail transit having expanded from a company that only produces and markets rechargeable batteries. The company employs approximately 220,000 people, and has over 30 industrial parks and production bases worldwide.

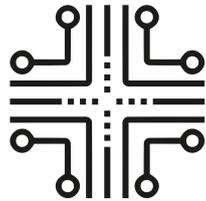
## EXPLORE OUR COMPLETE PORTFOLIO OF BYD PRODUCTS



**BYD B-BOX  
BATTERY STORAGE**

B-BOX H 5.12 / 7.68 / 10.24

# BALANCE OF SYSTEM





## SMA DATA MANAGER M POWERED BY ENNEXOS

Future-proof communication for decentralized PV systems



In combination with the new Sunny Portal powered by ennexOS, the Data Manager M optimizes communication, monitoring and control of PV systems with up to 25 SMA devices. Based on the new IoT platform for energy management, ennexOS from SMA, the Data Manager M not only replaces the SMA Cluster Controller S, but its expandability also means that it is already well-equipped to handle the new business models of the energy market of the future. For example, it is the ideal professional system interface for electric utility companies, direct marketers, service technicians and PV system operators. point, connect it to the internet router using an Ethernet cable, then register the PV system in Sunny Portal or Sunny Places free of charge and join more than 30,000 systems already installed worldwide in benefiting from greater energy efficiency.

### EXPLORE OUR COMPLETE PORTFOLIO OF SMA PRODUCTS

Over 1.3 GW of SMA supplied by PROINSO globally



**DATA MANAGER M**  
EDMM-10



**SMA CLUSTER CONTROLLER**  
CLCON-10 / \*CLCON-S-10



**SMA ENERGY METER**  
EMETER-20



**SMA COM GATEWAY**  
COMGW-10



**SMA FUEL SAVE CONTROLLER**  
S / M / L / CUSTOMIZED

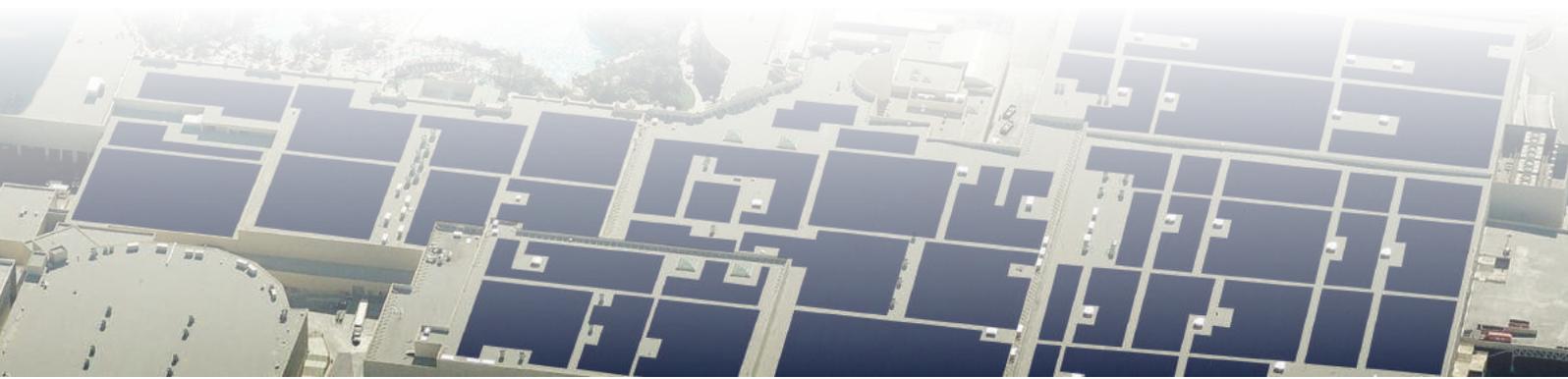


**SUNNY HOME MANAGER 2.0**  
HM-20



**EATON**

Powering business worldwide



Today, the world runs on critical infrastructure and technology. Planes. Hospitals. Factories. Data centers. Vehicles. The electrical grid. These are things people depend on every day. And the companies behind them depend on us to help solve some of the toughest power management challenges on the planet. Eaton is dedicated to improving people's lives and the environment with power management technologies that are more reliable, efficient, safe and sustainable. They are a power management company made up of over 96,000 employees, doing business in more than 175 countries. Their energy-efficient products and services help our customers effectively manage electrical, hydraulic and mechanical power more reliably, efficiently, safely and sustainably. By giving people tools to use power more efficiently. Helping companies do business more sustainably. And by encouraging each and every employee at Eaton to think differently about our business, our communities—and the positive impact they can have on the world.

## EXPLORE OUR COMPLETE PORTFOLIO OF EATON PRODUCTS



**PV COMBINER BOX**  
COMGW-10

# PROINSO

PROFESSIONALS IN SOLAR



**2.7 GW**  
PROJECTS SUPPLIED



**800 MW**  
DEVELOPMENT  
EXPERIENCE



**10+ YEARS**  
EXPERIENCE  
IN SOLAR



**20+ OFFICES**  
ON 5 CONTINENTS



**2,500**  
QUALIFIED  
INSTALLERS



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