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Solar Panel Guide Specification Data Sheet

Jiangsu SunLink PV Technology Co., Ltd.

SL200-18P

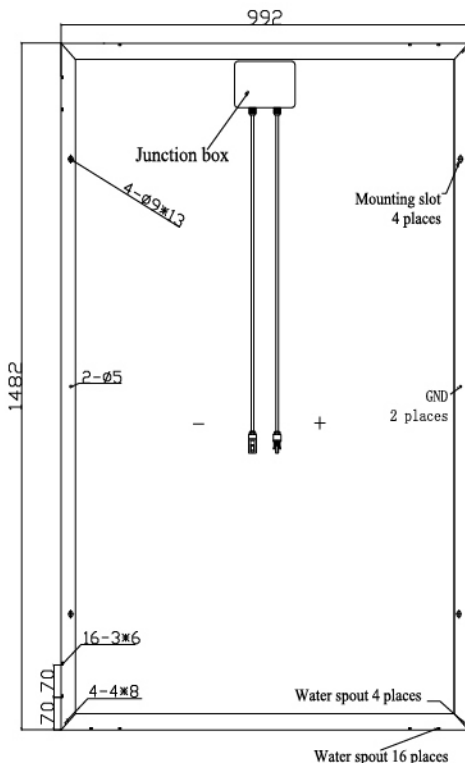
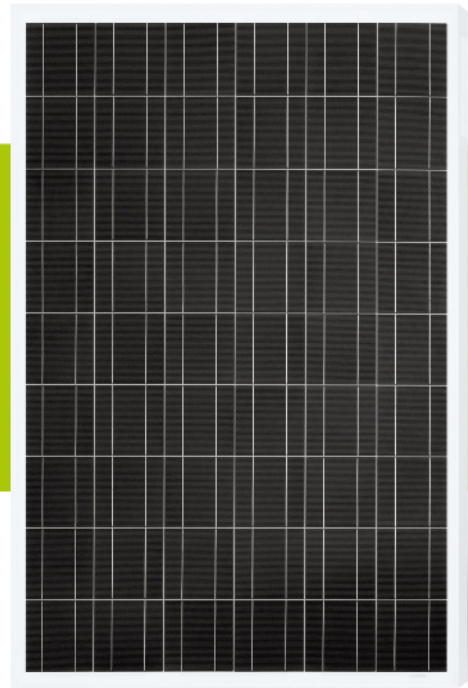
SL200-18P 215

Also available on the web at

EnergyPal.com/jiangsu-sunlink-pv-technology-co-ltd-solar-panels/sl200-18p-215

230 W Maximum Power

High Efficiency Poly-crystalline
Solar Module



BENEFITS

- High and stable conversion efficiency based on over 10 years professional experience
- High reliability with guaranteed 0 - +3% output power tolerance
- Proven materials, tempered front glass, and a sturdy anodized aluminum frame allow modules to operate reliably in multiple mountily configuration
- Combination of high efficiency and attractive appearance

QUALITY AND SAFETY

- 25-year output power warranty
- ISO9001: 2008, ISO14001, ISO18001 certified factory
- IEC 61215, Safety tested IEC 61730, CE
- Product Liability Insurance guarantee end users' benefit
- Hail impact: 277 g steel ball falling from 1 m height, 60 m/s wind speed increased snow load according to IEC 61215: up to 5400 N/m² wind load and suction according to IEC 61215: up to 2400 N/m²

TEMPERATURE COEFFICIENTS

Temperature coefficients		at 1000 W/m ² , 25 °C, air mass: 1.5	
Voltage coefficient (V_{oc})	β		- 0.32 %/K
Current coefficient (I_{sc})	α		+ 0.05 %/K
Power coefficient (P_{mpp})	γ		- 0.43 %/K
Minimum power tolerance			0 - + 3 %



SunLink PV Technology Co., Ltd.
 Nanyuan Road, Zhangjiagang Economic Development Zone,
 Jiangsu Province, 215600, China.
 Tel: +86-512-58166568 58166566
 Fax: +86-512-58166560
www.sunlink-pv.com

230 W Maximum Power



MECHANICAL DATA

Solar Cell	54 Poly-crystalline 156×156mm
Front Glass	3.2mm tempered
Junction Box	IP65 rated
Output Cables	1000 mm length cable, compatibility connectors
Frame	Anodized aluminium
Weight	17kg
Dimension	1482×992×40mm

ELECTRICAL DATA

Module Type	SL200-18P230	SL200-18P225	SL200-18P220	SL200-18P215	SL200-18P210	SL200-18P205
Nominal peak power (P_{max})	230W	225W	220W	215W	210W	205W
Nominal voltage (V_{mpp})	27.8V	27.6V	27.4V	27.2V	27.0V	26.8V
Nominal current (I_{mpp})	8.27A	8.15A	8.03A	7.90A	7.78A	7.65A
Open circuit voltage (V_{oc})	34.2V	34.0V	33.8V	33.8V	33.6V	33.4V
Short circuit current (I_{sc})	9.04A	8.84A	8.71A	8.57A	8.44A	8.39A
Module efficiency	15.6%	15.3%	15.0%	14.4%	14.1%	13.9%
Operating Temperature	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C	-40~+85°C
Maximum System Voltage	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC	1000V DC
STC: Irradiation: 1000 W/m ² , module temperature: 25 °C, air mass: 1.5 (EN 60904-3)						
Maximum power (P_{max})	176W	172W	168W	162W	159W	148W
Nominal voltage (V_{mpp})	27.2V	27.1V	26.9V	26.4V	26.3V	25.7V
Nominal current (I_{mpp})	6.47A	6.32A	6.23A	6.13A	6.04A	5.76A
Open circuit voltage (V_{oc})	33.8V	33.6V	33.4V	31.4V	31.2V	30.8V
Short circuit current (I_{sc})	7.02A	6.86A	6.76A	6.58A	6.49A	6.25A
NOCT: Irradiation: 800 W/m ² , module temperature: 45 °C, air mass: 1.5 Performance under weak light conditions (200 W/m ²) EN60904-1, 95.3 % or higher of the STC efficiency (1000 W/m ²) is achieved						

PACKING CONFIGURATION

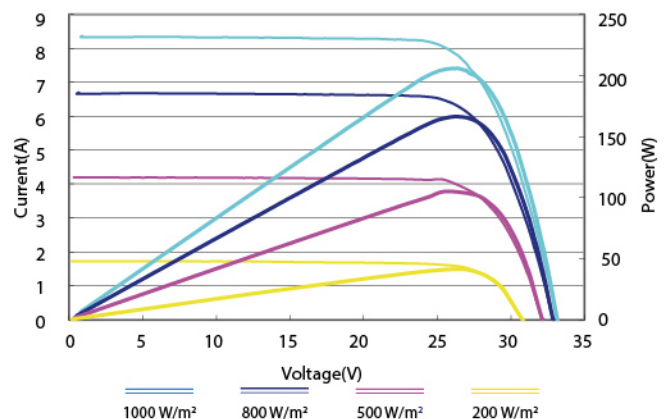
Container	20'GP	40'GP
Pieces Per Pallet	22	22
Pallets Per Container	14	30
Pieces Per Container	308	660

WARRANTY AND CERTIFICATIONS

Warranty	12 years workmanship 12 years 90 % of the nominal power warranty 25 years 80 % of the nominal power warranty
Certifications	IEC 61215, Safety tested IEC 61730 part 2, CE

CAUTION: Read Safety And Installation Instructions Before Using The Product.
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Current-Voltage & Power-Voltage Curve (SL200-18P205)



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