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Solar Panel Guide Specification Data Sheet

Jiangsu SunLink PV Technology Co., Ltd.

SL220-20P 255-275

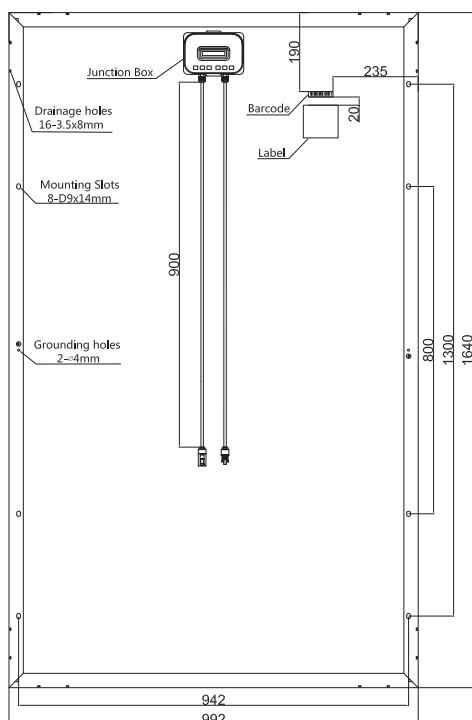
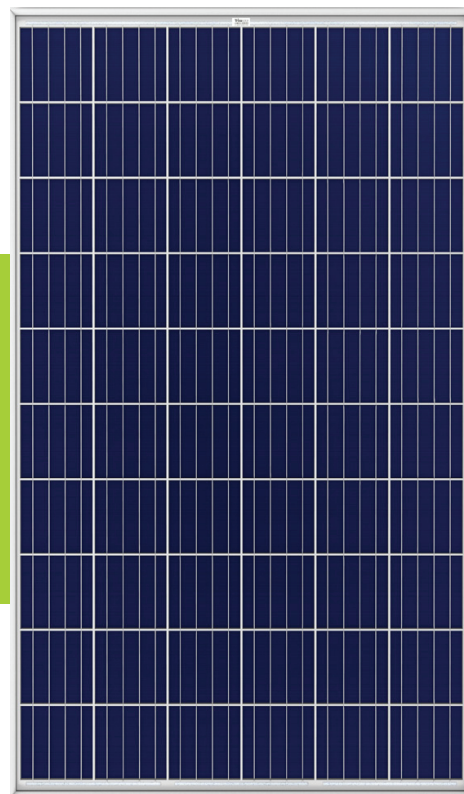
SL220-20P265

Also available on the web at

EnergyPal.com/jiangsu-sunlink-pv-technology-co-ltd-solar-panels/sl220-20p265

275 W Maximum Power

High Efficiency Poly-crystalline
Solar Module



BENEFITS

- High module conversion efficiency up to 16.9% through innovative manufacturing technology
- Positive tolerance of up to 3%
- Excellent low light performance on cloudy days, mornings and evenings
- Heavy snow load up to 5400Pa, wind load up to 2400Pa

QUALITY AND SAFETY

- 10 years product warranty on materials and workmanship, 25 years output power warranty
- 100% EL double-inspection ensures modules are defects free.
- Modules sorted & packed by current to improve systems performance
- ISO 9001:2008 Quality management systems
- ISO 14001:2004 Environmental management systems
- BS OHSAS occupational health and safety management systems

TEMPERATURE CHARACTERISTICS

Nominal Operating Cell Temperature (NOCT)	45±2 °C
Temperature coefficients of V_{oc}	- 0.35 %/°C
Temperature coefficients of I_{sc}	+ 0.055 %/°C
Temperature coefficients of P_{max}	- 0.45 %/°C
Power tolerance	0 - +3 %



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275 W Maximum Power



MECHANICAL CHARACTERISTICS

Solar Cell	60 poly-crystalline 156 x 156 mm
Front Glass	3.2 mm tempered glass
Junction Box	IP67 rated
Bypass Diodes	3 pcs
Output Cables	900 mm length cable, compatible with MC4 connectors
Frame	Anodized aluminium alloy
Weight	18 kg
Dimensions	1640 x 992 x 35 mm

ELECTRICAL CHARACTERISTICS

Module Type	SL220-20P275	SL220-20P270	SL220-20P265	SL220-20P260	SL220-20P255
Nominal peak power (P_{max})	275 W	270 W	265 W	260 W	255 W
Nominal voltage (V_{mpp})	31.5 V	31.3 V	31.1 V	30.9 V	30.7 V
Nominal current (I_{mpp})	8.74 A	8.63 A	8.53 A	8.41 A	8.30 A
Open circuit voltage (V_{oc})	38.1 V	37.9 V	37.7 V	37.5 V	37.3 V
Short circuit current (I_{sc})	9.32 A	9.23 A	9.12 A	9.01 A	8.90 A
Module efficiency	16.9%	16.6%	16.3%	16.0%	15.7%
Operating Temperature	- 40 to + 85 °C	- 40 to + 85 °C	- 40 to + 85 °C	- 40 to + 85 °C	- 40 to + 85 °C
Maximum System Voltage	1000 V DC	1000 V DC	1000 V DC	1000 V DC	1000 V DC
STC: Irradiation: 1000 W/m ² , cell temperature: 25 °C, air mass: 1.5 (EN 60904-3)					
Maximum power (P_{max})	202 W	198 W	195 W	191 W	187 W
Nominal voltage (V_{mpp})	30.0 V	29.9 V	29.8 V	29.7 V	29.6 V
Nominal current (I_{mpp})	6.74 A	6.63 A	6.55 A	6.43 A	6.33 A
Open circuit voltage (V_{oc})	34.9 V	34.8 V	34.7 V	34.6 V	34.5 V
Short circuit current (I_{sc})	7.31 A	7.19 A	7.06 A	6.88 A	6.71 A
NOCT: Irradiation: 800 W/m ² , ambient temperature: 20 °C, air mass: 1.5, wind speed 1m/s Performance under weak light conditions (200 W/m ²) EN60904-1, 96.0% or higher of the STC efficiency (1000 W/m ²) is achieved					

PACKING CONFIGURATION

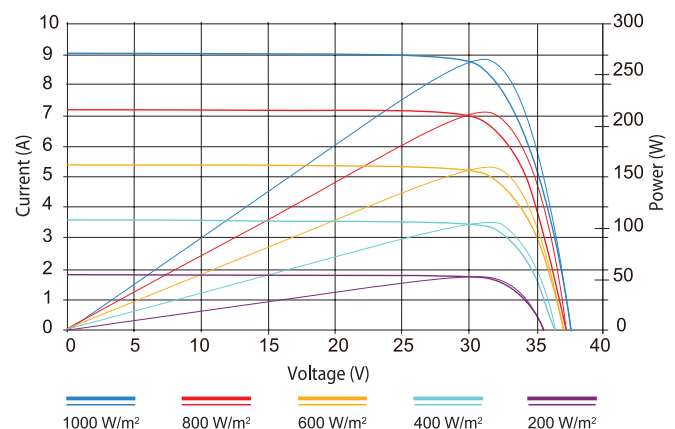
Container	20' GP	40' GP
Pieces per pallet	30	30
Pallets per container	12	28
Pieces per container	360	840

WARRANTY AND CERTIFICATIONS

Warranty	10 years product workmanship warranty 12 years 90 % of the nominal power warranty 25 years 80 % of the nominal power warranty
Certifications	IEC 61215, Safety tested IEC 61730, CE

CAUTION: Read Safety And Installation, Instructions Before Using The Product.
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Current-Voltage & Power-Voltage Curve (SL220-20P270)



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