

Poly-crystalline Solar Module

275W~290W

SL220-20P 290 | 285 | 280 | 275
(1000V | 1500V)

BENEFITS



Higher output



PID free



Excellent shading tolerance



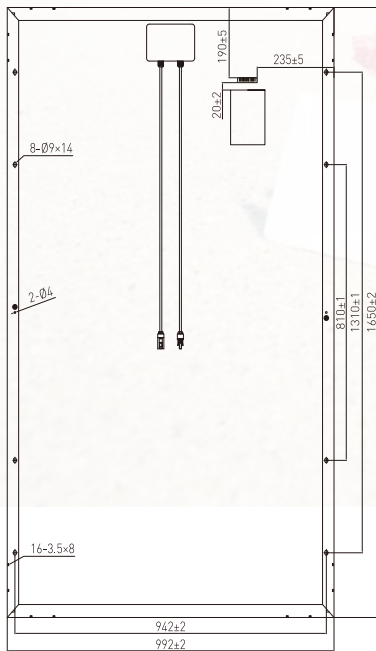
Heavy mechanical load



Product warranty on materials and workmanship



Linear power output warranty



CERTIFICATES

IEC 61215, IEC 61730, IEC TS 62804, IEC 61701

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~+5W

Jiangsu SunLink PV Technology Co., Ltd.

📍 Nanyuan Road, Zhangjiagang Economic Development Zone,
Jiangsu Province, 215600, China.

☎ +86-512-58166568

☎ +86-512-58166566

🌐 www.sunlink-pv.com



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290W~275W

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MECHANICAL CHARACTERISTICS

Solar Cell	60 poly-crystalline	Frame	Anodized aluminium alloy
Front Glass	3.2 mm tempered glass	Weight	18 kg
Junction Box	IP67 rated	Dimensions	1650×992×35 mm
Bypass Diodes	3 pcs	Packaging Information	30 pcs/ pallet
Output Cables	900 mm length cable, compatible with MC4 connectors		

ELECTRICAL CHARACTERISTICS

Module Type	SL220-20P290	SL220-20P285	SL220-20P280	SL220-20P275
Nominal Peak Power (Pmax)	290	285	280	275
Nominal Voltage (Vmpp)	32.1	31.9	31.7	31.5
Nominal Current (Impp)	9.04	8.94	8.84	8.74
Open Circuit Voltage (Voc)	38.7	38.5	38.3	38.1
Short Circuit Current (Isc)	9.57	9.49	9.40	9.32
Module Efficiency	17.7%	17.4%	17.1%	16.8%
Maximum System Voltage	DC1000V/DC1500V	DC1000V/DC1500V	DC1000V/DC1500V	DC1000V/DC1500V

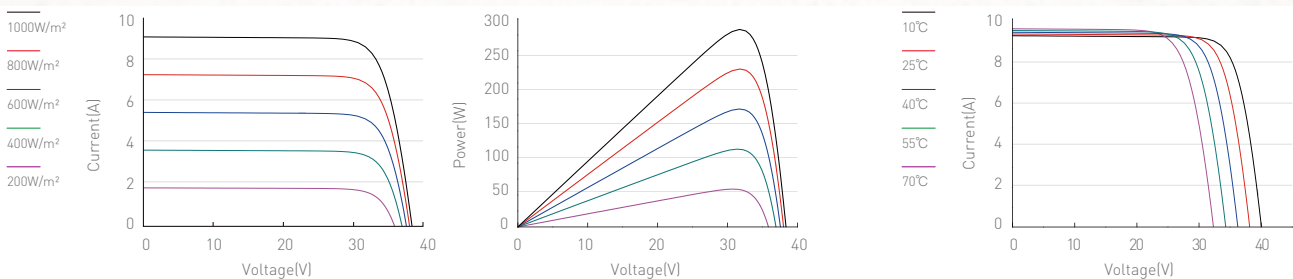
STC: Irradiation: 1000 W/m², cell temperature: 25 °C, air mass: 1.5 (EN 60904-3)

Maximum Power (Pmax)	213	209	206	202
Nominal Voltage (Vmpp)	30.3	30.2	30.1	30
Nominal Current (Impp)	7.03	6.94	6.84	6.74
Open Circuit Voltage (Voc)	35.2	35.1	35	34.9
Short Circuit Current (Isc)	7.63	7.53	7.41	7.30

NOCT: Irradiation: 800 W/m², ambient temperature: 20°C, air mass: 1.5, wind speed 1m/s

Performance under weak light conditions [200 W/m²] EN60904-1, 96.0% or higher of the STC efficiency (1000 W/m²) is achieved

CURRENT-VOLTAGE CURVE & POWER-VOLTAGE CURVE



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