

Mono-crystalline Solar Module

300W~315W

SL220-20M 315 | 310 | 305 | 300
(1000V | 1500V)

BENEFITS



Higher output



PID free



Excellent shading tolerance



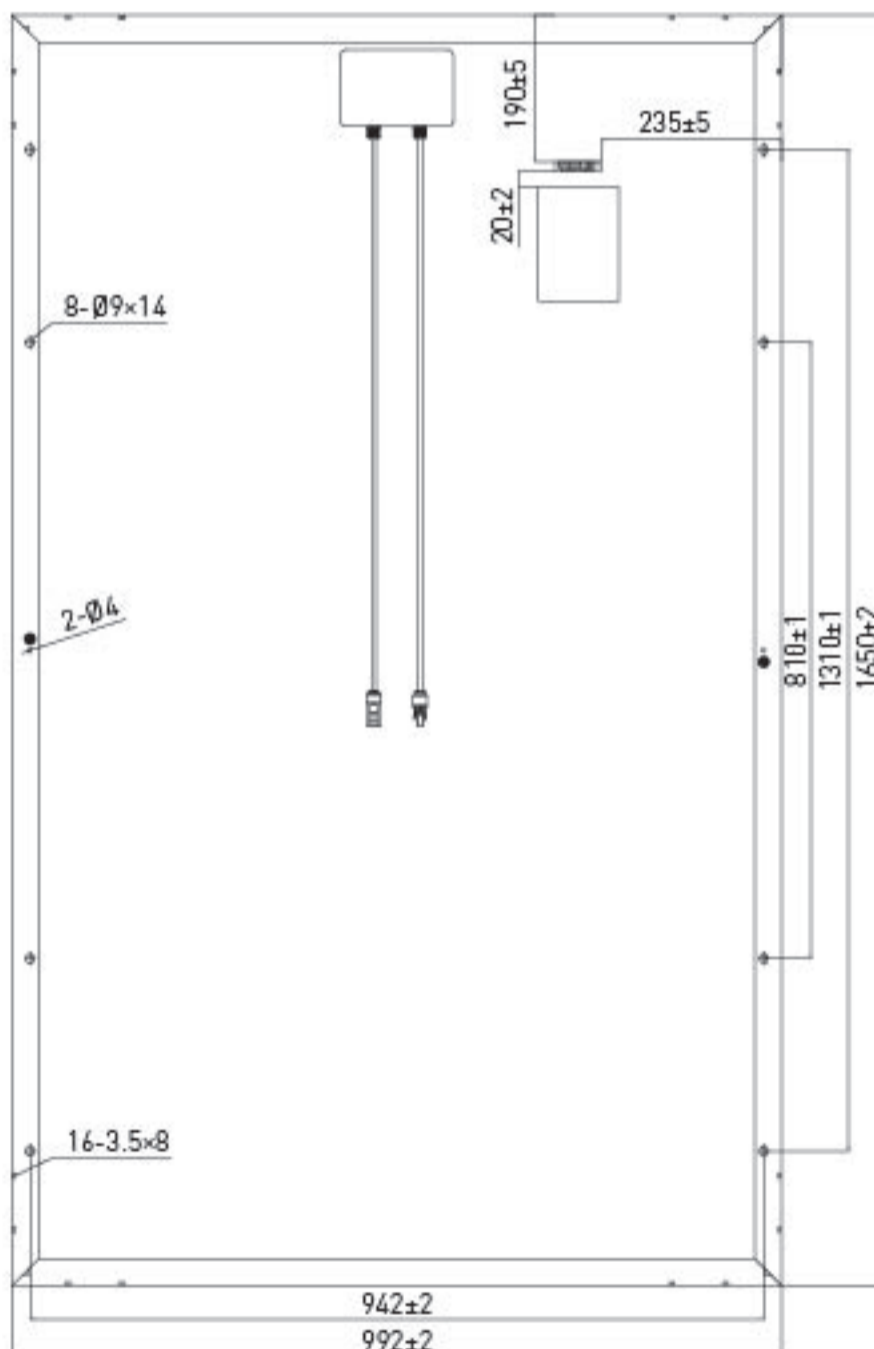
Heavy mechanical load



12 years Product warranty on materials and workmanship



25 years 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

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MECHANICAL CHARACTERISTICS

Solar Cell	60 mono-crystalline	Frame	Black anodized aluminium alloy
Front Glass	3.2 mm tempered glass	Weight	18 kg
Junction Box	IP67 rated	Dimensions	1650x992x35 mm
Bypass Diodes	3 pcs	Packaging Information	30 pcs/ pallet
Output Cables	900 mm length cable, compatible with MC4 connectors		

ELECTRICAL CHARACTERISTICS

Module Type	SL220-20M315	SL220-20M310	SL220-20M305	SL220-20M300
Nominal Peak Power Pmax (W)	315	310	305	300
Nominal Voltage Vmpp (V)	33.1	32.9	32.7	32.5
Nominal Current Impp (A)	9.52	9.42	9.33	9.23
Open Circuit Voltage Voc (V)	39.7	39.5	39.3	39.1
Short Circuit Current Isc (A)	10.06	9.96	9.86	9.76
Module Efficiency (%)	19.20	18.90	18.60	18.30
Maximum System Voltage	DC1000V/DC1500V	DC1000V/DC1500V	DC1000V/DC1500V	DC1000V/DC1500V

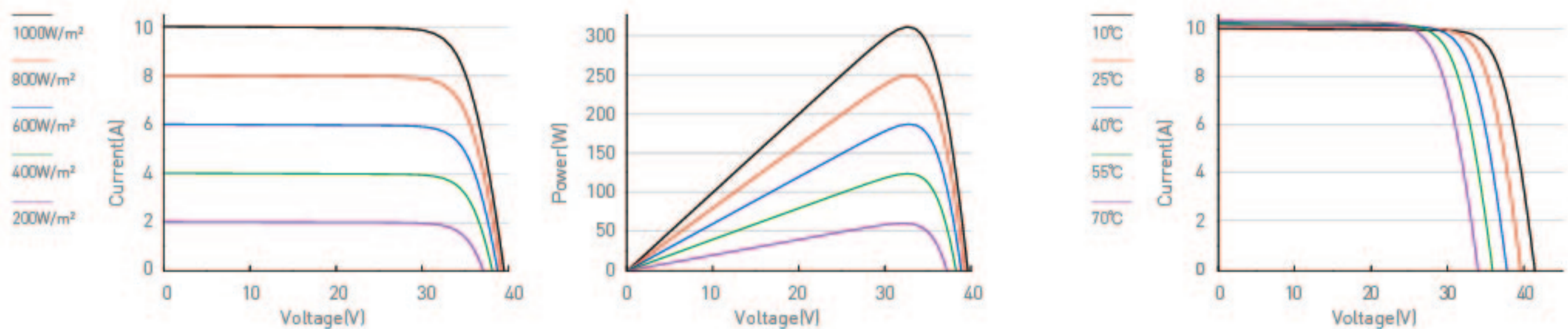
STC: Irradiation: 1000 W/m², cell temperature: 25 °C, air mass: 1.5 (EN 60904-3)

Maximum Power Pmax (W)	230	226	222	219
Nominal Voltage Vmpp (V)	30.8	30.7	30.6	30.5
Nominal Current Impp (A)	7.45	7.36	7.27	7.17
Open Circuit Voltage Voc (V)	35.7	35.6	35.5	35.4
Short Circuit Current Isc (A)	8.19	8.09	7.98	7.87

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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