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Solar Panel Guide Specification Data Sheet

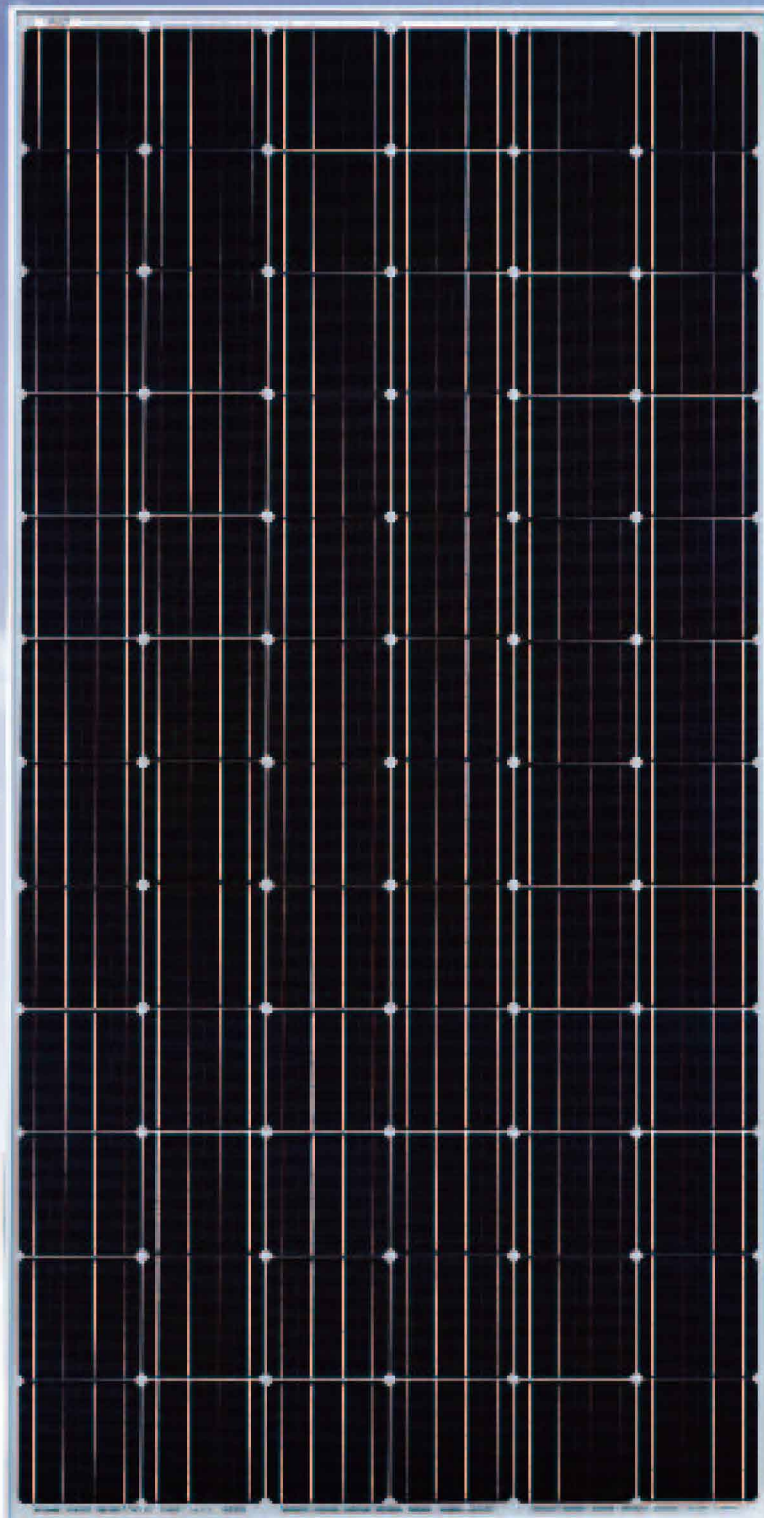
Jiangsu SunLink PV Technology Co., Ltd.

SL280-24M 360-380

SL280-24M320

Also available on the web at

EnergyPal.com/jiangsu-sunlink-pv-technology-co-ltd-solar-panels/sl280-24m320



Mono-crystalline Solar Module

365W~380W

SL280-24M 380 | 375 | 370 | 365
(1000V | 1500V)

BENEFITS



Higher output



PID free



Excellent shading tolerance



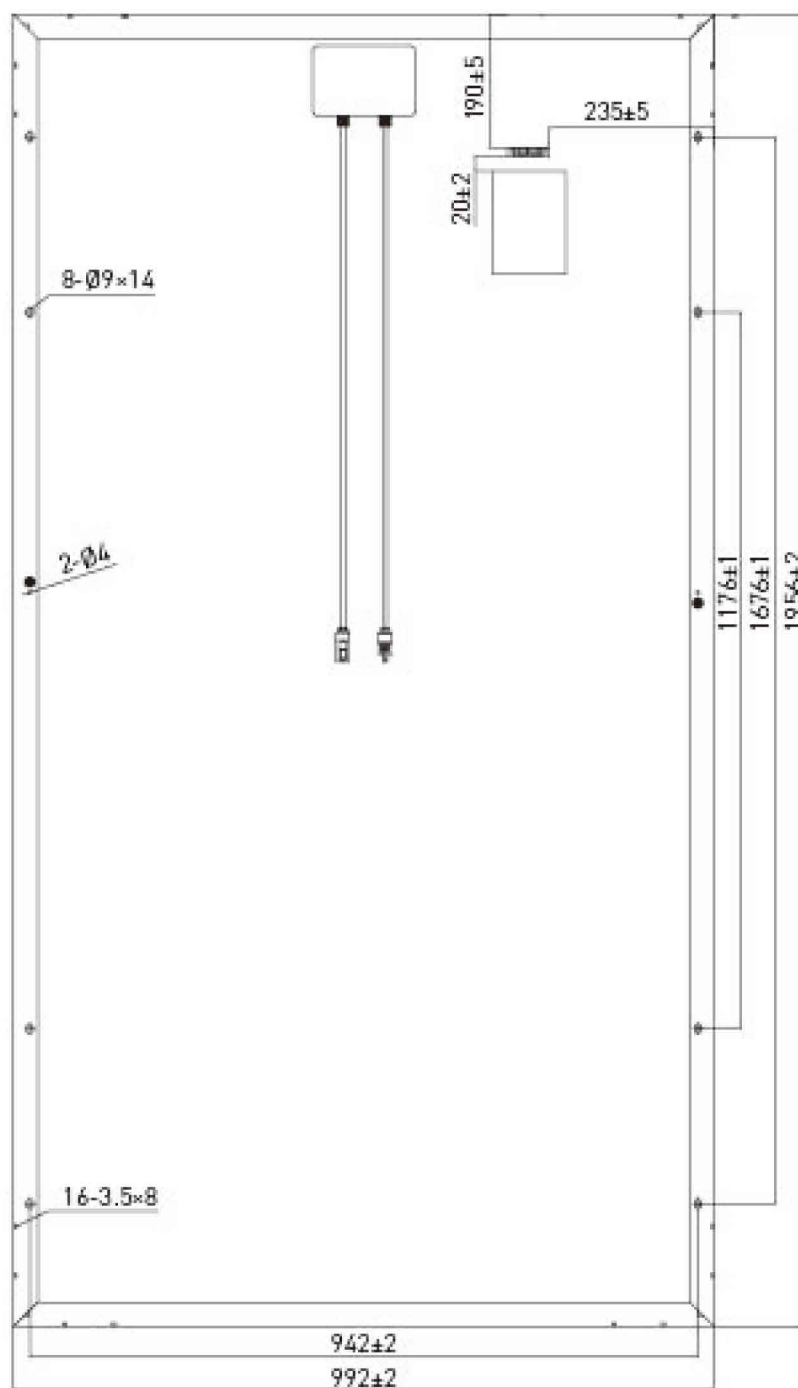
Heavy mechanical load



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

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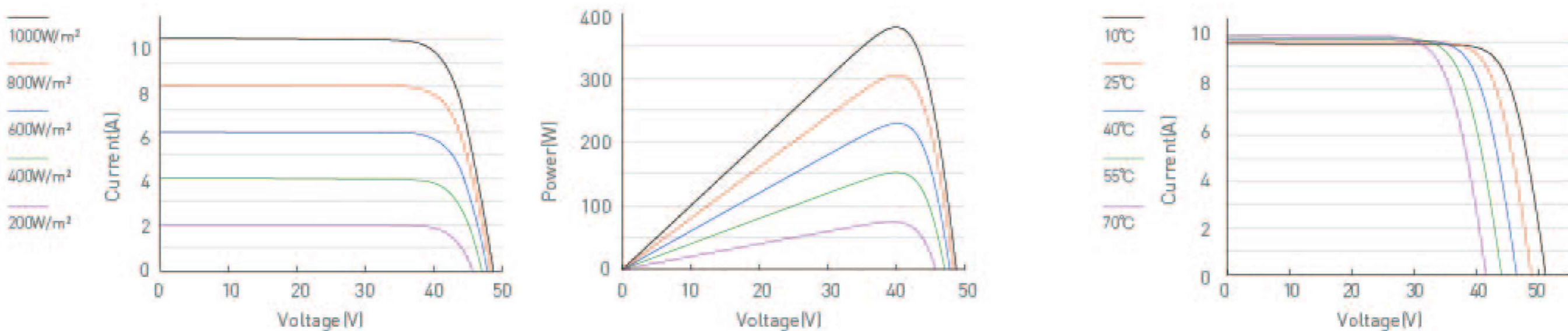
(1000V | 1500V)

MECHANICAL CHARACTERISTICS			
Solar Cell	72 mono-crystalline	Frame	Anodized aluminium alloy
Front Glass	3.2 mm tempered glass	Weight	22.4 kg
Junction Box	IP67 rated	Dimensions	1956×992×35 mm
Bypass Diodes	3 pcs	Packaging Information	30 pcs/ pallet
Output Cables	1200 mm length cable, compatible with MC4 connectors		

ELECTRICAL CHARACTERISTICS					
Module Type		SL280-24M380	SL280-24M375	SL280-24M370	SL280-24M365
Nominal Peak Power	P _{max} (W)	380	375	370	365
Nominal Voltage	V _{mpp} (V)	39.7	39.5	39.3	39.1
Nominal Current	I _{mpp} (A)	9.57	9.49	9.41	9.34
Open Circuit Voltage	V _{oc} (V)	48.5	48.3	48.1	47.9
Short Circuit Current	I _{sc} (A)	9.91	9.85	9.79	9.73
Module Efficiency	(%)	19.60	19.30	19.10	18.80
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	P _{max} (W)	277	273	269	265
Nominal Voltage	V _{mpp} (V)	36.4	36.3	36.2	36.1
Nominal Current	I _{mpp} (A)	7.61	7.52	7.43	7.34
Open Circuit Voltage	V _{oc} (V)	43.5	43.3	43.1	42.9
Short Circuit Current	I _{sc} (A)	8.24	8.16	8.08	8.00

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