

SP-EN10W F 30mm Mono Solar Panel

Key Features



High Conversion Efficiency

Module efficiency up to 11.20% achieved through advanced cell technology and manufacturing capabilities



Positive Tolerance

Positive tolerance of up to -1%+ \sim 3% delivers higher output reliability



High PID Resistant

Advanced cell technology and qualified materials lead to high PID resistant



Current Sorting Process

System output maximised by reducing mismatch losses up to 2% with modules sorted and packaged by amperage



Extended Wind and Snow

Load tests

Module certified to withstand extreme wind (2400 Pascal) and snow loads (5400 Pascal)



Withstanding Harsh Environment

Reliable quality leads to a better sustainability even in harsh environments in the outdoors

Quality Guarantee

- * High efficiency solar cells, Low resistance loss and higher conversion efficiency
- \star Double EL test before and after lamination, highly controls product defects
- * Solar panel classified by current, to improve system performance

Certificates

- * ISO9001:2015
- * ISO14001:2015
- * ISO45001:2018
- * CE;CQC;SGS;IN METRO;DEKRA







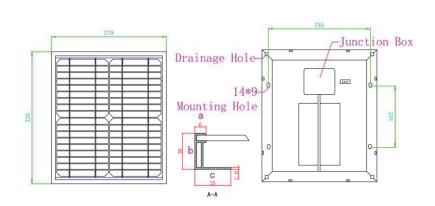


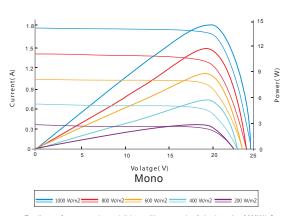
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Electrical Characteristics	
STC	SP-EN10W
Maximum Power(Pmax)	10W
Optimum Operating Voltage(Vmp)	17.3V
Optimum Operating Current(Imp)	0.60A
Open Circuit Voltage(Voc)	21.3V
Short Circuit Current(Isc)	1.73A
Module Efficiency	11.20%
Operating Module Temperature	-40°C to +85°C
Maximum System Voltage	715/1000V DC (IEC)
Power Tolerance	-1%~+3%
STC Irradiance 1000 W/m	n², module temperature 25°C, AM=1.5; Best in Class AAA solar simulator (IEC 60904-9) used

Engineering Drawing I-V Curve





Excellent performance under weak light conditions: at an irradiation intensity of $800W/m^2$ (AM 1.5, 25° C), 95.5% or higher of the STC efficiency($1000W/m^2$) is achieved.

Mechanical Charact	eristics	
Solar Cell	Monocrystalline silicon 125mm×13.6mm	
No. of Cells	36 (2×18)	
Dimensions	320x279x30mm	
Weight	1.0kg	
Front Glass	3.2mm(0.13 inches) tempered glass	
Frame	Anodized aluminium alloy	
Junction Box	lp67 rated	
Output Cables	TÜV (2Pfg1169:2007)	
	0.75mm ² , symmetrical lengths(-) 1500mm and (+) 1500mm	
Connectors	MC4 connectors	

Temperature Characteristics		
NOCT	45±2°C	
Temperature Coefficient of Pmax	-0.48%/°C	
Temperature Coefficient of Voc	-0.34%/°C	
Temperature Coefficient of Isc	0.037%/°C	

