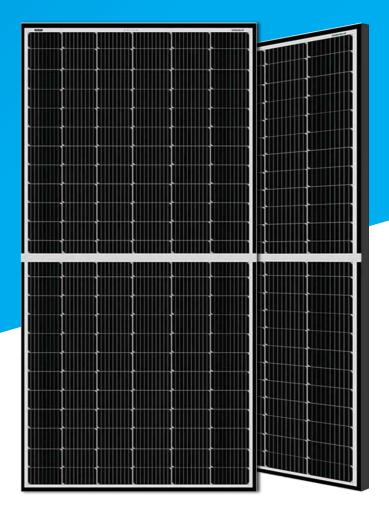


ESSPC-M6M144 (6*24)- 440W



Key Features



Solar Cell

Stronger current collection ability, Special circuit design with much lower hot spot temperature;



PID Resistant

Excellent PID resistance at 96 hours (85°C/85%) test,and also can be improved to meet higher standards for the particularly harsh environment;



Anti-Crack

Excellent anti-microcracking performance with more balanced



Module efficiency up to 21%

Half cell structure brings low resistance characteristic, higher lifetime generating capacity, simultaneously lower annual power attenuation;



Low-Light Performance

Excellent power generation performance under Low-Light condition due to multi busbar; better shading response benefit from half cell module;

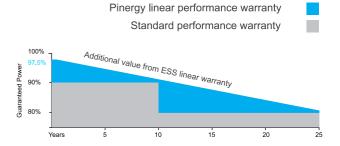


Strength and Durability

Certified for 5400Pa snow and 2400Pa Wind loads test;

Linear Performance Warranty

10 Years Product Warranty · 25 Years Linear Power Warranty



Certifications

- IEC 61215, IEC 61730, IEC61646, IEC62108, CE
- ISO9001: 2015: Quality management system
- ISO14001: 2015: Environmental management system
- ISO45001: 2018: Occupational health and safety management system











ESS

Electrical Specificati	ions M	Module Type: ESSPC-M6M144(6*24)- 440W	
Module Type		440W	
Testing Condition		STC	
Max. Power (Pmax/W)		440W	
Voltage at Max, Power (Vmp/V)		41.09V	
Current at Max, Power (Imp/A)		10.71A	
Open circuit voltage (Voc/V)		48.90V	
Short circuit current (Isc/A)		11.46 A	
Module efficiency (%)		21%	
Power Tolerance (W)	(STC): Irradiance 1000W/m², Cell Temperature 25°C, AM1.5	0~+3%	

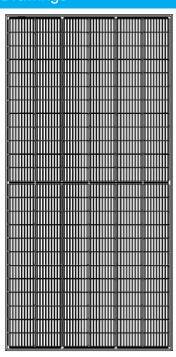
Standard Test Condition

Mechanical Specifications		
Cell Type	Mono Crystalline -(166×83)mm	
No. of Cells	144 (6×24)	
Dimension	2094x1038x30mm	
Weight	23.5kg	
Glass	3.2mm, Low Iron Tempered Glass	
Frame	Anodized Aluminium Alloy	
Junction Box	lp67, 3 diodes	
Output Cables	4mm²	
Connector type	Mc4 compatible	

Packaging Configurations

Per Pallet 25 pcs

Engineering Drawings



Temperature Characteristics				
NOCT Temperature	44°C ±2°C			
Temperature Coefficient (Pmax)	-0.35%/°C			

NOCT Temperature	44 C ±2 C
Temperature Coefficient (Pmax)	-0.35%/°C
Temperature Coefficient (Voc)	-0.27%/°C
Temperature Coefficient (Isc)	0.05%/℃

Maximum Ratings

Maximum system voltage (IEC)	1500V DC
Snow / Wind	5400Pa / 2400Pa
Operating Temperature	-40°C ~ +85°C
Maximum series fuse rating	15A



