



PV panel

Features:

- MBB Half Cut Cell with PERC Technology
- Higher Power Output
- Better Low-light Performance
- Less Shading Effect
- PID Resistance
- Enhanced Mechanical Load

Module Type	144-540M		144-545M		144-550M		144-555M		144-560M	
Module Efficiency (%)	20.9		21.1		21.3		21.5		21.7	
Tolerance (W)	0~+5w									
Test Environment	STC	NOCT								
Maximum Power Pmax(W)	540	403.3	545	407.0	550	410.7	555	414.8	560	418.6
Open Circuit Voltage Voc(V)	49.50	46.41	49.65	46.55	49.80	46.69	49.95	46.97	50.10	47.11
Short Circuit Current Isc(A)	13.85	11.20	13.92	11.25	13.99	11.31	14.04	11.35	14.10	11.40
Maximum Power Voltage Vm(V)	41.65	38.78	41.80	38.92	41.95	39.04	42.10	39.11	42.25	39.25
Maximum Power Current Im(A)	12.97	10.40	13.04	10.46	13.11	10.52	13.19	10.61	13.26	10.67

Cell Type (mm)	10BB-6X24Mono-CrystallineSilicon	
Number of Cells (Pcs)	144(6x24)	
Maximum System Voltage	DC1500	
Temp.Coeff.of Voc (%/°C)	-0.285	
Temp.Coeff.of Isc (%/°C)	0.055	
Temp.Coeff.of Pm (%/°C)	-0.365	
Operating Temperature (°C)	-40 to 85	
Nominal Operating Cell Temp (°C)	45±2	
Max.Series Fuse (A)	25	
Pressure Bearing (Pa)	5400	
Wind Bearing (Pa)	2400	

STC: Irradiance 1000W/m2, Cell temperature 25°C, AM1.5
 NOCT: Irradiance 800W/m2, Ambient temperature 20°C, Wind speed 1m/s