



Technical Data Sheet of JFS2-144-182-540-560W Solar Panel

Model	JFS2-144-540M		JFS2-144-545M		JFS2-144-550M		JFS2-144-555M		JFS2-144-560M	
Module Efficiency (%)	20.9		21.1		21.3		21.5		21.7	
Tolerance (W)	0 ~ +5w		0 ~ +5w		0 ~ +5w		0 ~ +5w		0 ~ +5w	
Test Environment	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum Power Pmax(W)	540	403.3	545	407	550	410.7	555	414.8	560	418.6
Open Circuit Voltage Voc(V)	49.5	46.41	49.65	46.55	49.8	46.69	49.95	46.97	50.1	47.11
Short Circuit Current Isc(A)	13.85	11.2	13.92	11.25	13.99	11.31	14.04	11.35	14.1	11.4
Maximum Power Voltage Vm(V)	41.65	38.78	41.8	38.92	41.95	39.04	42.1	39.11	42.25	39.25
Maximum Power Current Im(A)	12.97	10.4	13.04	10.46	13.11	10.52	13.19	10.61	13.26	10.67
Cell Type (mm)	10BB- 6X24Mono -Crystalline Silicon									
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: Ir radiance 1000W/ m2, Cell temperature 25°C, AM1. 5 NOCT: Irradiance 800W/ m2, Ambient temperature 20°C, Wind speed 1m/s										
MATERIAL DETAILS										
Frame	Anodized aluminum(black and white is optional)				Glass		3. 2mm low -iron tempered suede glass			
Cell	10BB-6x24mono solar cell				Junction Box		IP≥68, TÜV & UL			
Diode quantity	3				Cable &Connector		4m m ² , EVO2 or EVO2 compatible			
Cable length	300mm or as customer's requirements									
PACKING DETAILS										
Dimension	2279x1134x35mm				Weight		27.5kg			
Loading Capacity	620pcs/40HC				Packing		31pcs/pallet			