



Photo for Reference

Part number

PR-HS-SP3MDB600-630	600-630W HJT Dual-glass Bifacial Monocrystalline solar panel
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Features

Shorter current transport path, better low-light performance, and higher power generation
Stronger moisture resistance, greater air impermeability to extent module lifespan
Suitable for all scenarios, especially C&I, residential, and utility applications, lower BOS cost, lower LCOE

Mechanical data

Cell Type	HJT
No. of Cells	132 (6×22)
Dimensions (mm)	2382×1134×35
Weight (kg)	33.6
Front Glass Thickness (mm)	2.0
Back Glass Thickness (mm)	2.0
Frame	Composite material frame
Junction Box	IP68
Connector Type	MC4/Others
Output Cables	4.0 mm ² ;+350/-250mm or customized; UV resistant

Specifications(STC)

PR-HS-SP3MDB	600	605	610	615	620	625	630
Tolerance of Pmax (%)	0~+3						
Power Selection (W)	0~+5						
Maximum Power Voltage - Vmp (V)	40.69	40.78	40.85	40.96	41.05	41.14	41.23
Maximum Power Current - Imp (A)	14.76	14.85	14.95	15.03	15.12	15.21	15.30
Open-circuit Voltage - Voc (V)	48.75	48.85	48.94	49.05	49.15	49.25	49.34
Short-circuit Current - Isc (A)	15.56	15.66	15.76	15.86	15.96	16.06	16.16
Module Efficiency STC (%)	22.2	22.4	22.6	22.8	23.0	23.1	23.3

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM=1.5

Specifications(NOCT)

PR-HS-SP3MDB	600	605	610	615	620	625	630
Maximum Power - Pmax (Wp)	458	461	465	469	473	477	481
Maximum Power Voltage - Vmp (V)	38.84	38.92	38.98	39.09	39.18	39.26	39.34
Maximum Power Current - Imp (A)	11.80	11.87	11.95	12.01	12.08	12.16	12.23
Open-circuit Voltage - Voc (V)	46.53	46.62	46.71	46.82	46.91	47.01	47.09
Short-circuit Current - Isc (A)	12.44	12.52	12.60	12.68	12.76	12.84	12.92

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Specifications(BNPI)

PR-HS-SP3MDB	600	605	610	615	620	625	630
Maximum Power - Pmax (Wp)	672	678	684	689	695	700	706
Maximum Power Voltage - Vmp (V)	40.83	40.92	40.99	41.10	41.19	41.28	41.37
Maximum Power Current - Imp (A)	16.48	16.58	16.69	16.78	16.88	16.98	17.08
Open-circuit Voltage - Voc (V)	48.92	49.02	49.11	49.22	49.32	49.42	49.51
Short-circuit Current - Isc (A)	17.45	17.56	17.67	17.79	17.90	18.01	18.12

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

Temperature Characteristics

Nominal Operating Cell Temperature-NOCT (°C)	44±2
Temperature Coefficients of Pmax (%/°C)	-0.24

Temperature Coefficients of Voc (%/°C)	-0.22
Temperature Coefficients of Isc (%/°C)	0.04

Application Conditions

Operating Temperature (°C)	-40 ~ +85
Maximum System Voltage (VDC)	1500 (IEC)
Maximum Series Fuse Rating (A)	30
Bifaciality (%)	90±5
Safety Class	Class II

Packaging Configuration

Number of Modules per Pallet	31
Number of Pallets per 40' Container	20
Modules Per Container	620

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