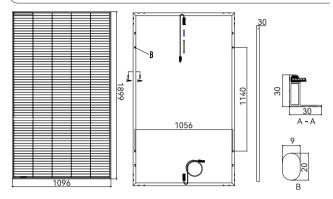


DRAWINGS (Unit: mm)



ELECTRICAL CHARACTERISTICS (STC)

Module Type: TH***PMB7-46SC	445	440	435	430	425	420
Maximum Power: Pmax [W]	445	440	435	430	425	420
Open Circuit Voltage: Voc [V]	43.8	43.7	43.6	43.5	43.4	43.3
Short Circuit Current: Isc [A]	13.01	12.90	12.79	12.68	12.56	12.46
Voltage at Maximum Power: Vmp [V]	36.4	36.3	36.2	36.1	36.0	35.9
Current at Maximum Power: Imp [A]	12.23	12.13	12.02	11.92	11.81	11.71
Module Efficiency: η [%]	21.4	21.1	20.9	20.7	20.4	20.2

ELECTRICAL CHARACTERISTICS (NMOT)

Maximum Power: Pmax [W]	335	331	328	324	320	316
Open Circuit Voltage: Voc [V]	41.8	41.7	41.6	41.5	41.4	41.3
Short Circuit Current: Isc [A]	10.50	10.41	10.32	10.23	10.14	10.05
Voltage at Maximum Power: Vmp [V]	34.7	34.6	34.5	34.4	34.3	34.2
Current at Maximum Power: Imp [A]	9.66	9.57	9.49	9.41	9.32	9.24

1. Standard Test Conditions [STC]: irradiance 1000 W/m²; AM 1.5; ambient temperature 25°C according to EN 60904–3; 2. Nominal Module Operating Temperature (NMOT): Irradiance 800W/ m²; wind speed 1m/s, ambient temperature 20°C. 3. Tolerance of Pm: 0+5W, Measuring uncertainty of power: $\pm 3\%$. Performance deviation of Voc [V], Isc [A], Vm [V] and Im [A]: $\pm 3\%$.

TEMPERATURE PARAMETERS

NMOT	42.30 °C (±2°C)	
Temperature Coefficient of Voc	-0.27%/°C	
Temperature Coefficient of Isc	+0.04%/°C	
Temperature Coefficient of Pm	-0.34%/°C	

MAXIMUM RATINGS

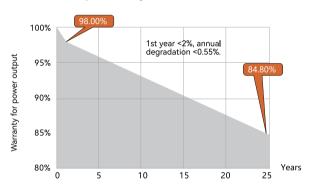
Maximum System Voltage [V]	DC1500 (IEC)
Series Fuse Rating [A]	25
Maximum Surface Load Capacity [Pa]	Front 5400 / Back 2400
Temperature Range [°C]	-40 ~ + 85
Withstanding Hail	Maximum diameter of 25mm with impact speed of 23m/s

MECHANICAL PARAMETERS

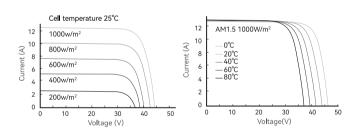
Dimensions	1899 × 1096 × 30mm
Weight	21.8kg
Front glass	tempered glass, 3.2mm
Frame	Anodized aluminum profile
Cells	Mono-crystalline solar cell
Cell Orientation	320 (64 × 5)
Junction Box	IP68, two diodes; connector : Staubil EVO2
Cable	4mm²,+300mm/-1000mm(Vertical), +220mm/-180mm(Horizontal)
Packaging	36pcs/box; 864pcs/40'container; 1296pcs/flat car

WARRANTY

Linear Power Output Warranty



☑I-V CURVE



(CERTIFICATIONS

Quality Management System and Product Certification

IEC61215/61730、IEC62804(PID)、IEC61701(Salt)、

IEC62716 (Ammonia)、IEC60068-2-68(Sand)

ISO 9001:2015 / quality management system

ISO 14001:2015 / environmental management system

ISO 45001:2018 / occupation health safety management system

ISO 50001:2011 / energy management system

IEC TS 62941—2016 / PV industry quality management system





















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