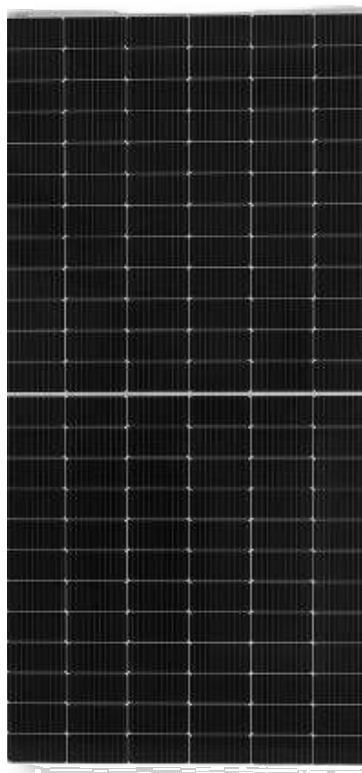


TECHNICAL DATA MODULE

182 MBB MONO PERC HALF-CELL MODULE 540W



Powered by high-efficiency MONOCRYSTALLINE cells, this series of high performance modules provides the most cost-effective solution for lowering the LCOE of any PV systems large or small

Electrical Specifications

		STC	NMOT
Max. Power at STC	P _{max} (W)	540	402
Max. Power Voltage	V _{MP} (V)	41.60	38.08
Max. Power Current	I _{MP} (A)	12.98	10.55
Open Circuit Voltage	V _{OC} (V)	49.42	46.65
Short Circuit Current	I _{SC} (A)	13.85	11.19
Efficiency	(%)	20.80	0
Power Tolerance	(W)	0~+5W	0
P _{max} Temperature Coefficient	(%/°C)	-0.34%	0
V _{OC} Temperature Coefficient	(%/°C)	-0.26%	0
I _{SC} Temperature Coefficient	(%/°C)	0.048%	0
Maximum System Voltage	(VDC)	1500V DC	0
Maximum Series Fuse Rating	(A)	25A	0
Operating Temperature	(°C)	-40~+85°C	0
NOCT	(°C)	44+/-2°C	0

STC: Irradiance 1000W/m², Cell Temperature 25°C, AM1.5

NOCT: Irradiance 800W/m², Ambient Temperature 20°C, AM1.5

Structure Performance

Solar Cell Type	182mm Mono-crystalline (Half Cell)
Solar Cell Arrangement	144pcs(6x24)
Module Dimension	2278x1134x35mm
Weight	28.0kg
Front Glass	3.2mm, highly transparent tempered glass with anti-reflective coating
Back Sheet	White
Frame	Anodized Aluminium Alloy
Junction Box	IP68 rated
Cable	4mm ² PV cable, 300mm or customized length
Diode Quantity	3 pcs
Front Side/Rear Side	5400pa/2400pa
Connector	MC4 compatible
Per Pallet	31 pcs
Per Container (40' HQ)	620 pcs

Mechanical Drawings

