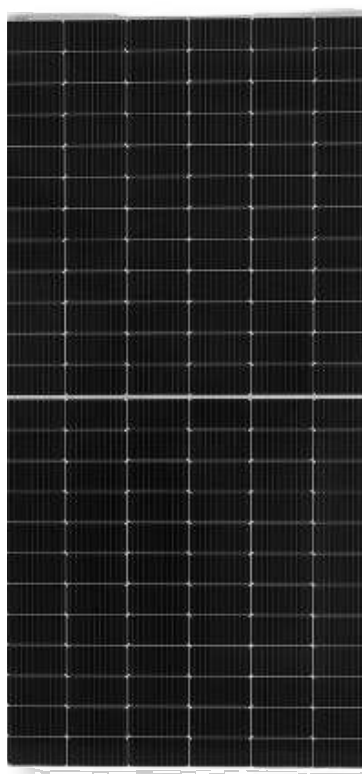


# TECHNICAL DATA MODULE

LESSO

## 182 MBB MONO PERC HALF-CELL MODULE 550W



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 <sub>max</sub> (W)	550	409
Max. Power Voltage	V <sub>MP</sub> (V)	42.00	38.42
Max. Power Current	I <sub>mp</sub> (A)	13.10	10.65
Open Circuit Voltage	V <sub>oc</sub> (C)	49.82	46.84
Short Circuit Current	I <sub>sc</sub> (A)	13.97	11.33
Efficiency	(%)	21.30	0
Power Tolerance	(W)	0~+5W	0
P <sub>max</sub> Temperature Coefficient	(%/°C)	-0.34%	0
V <sub>oc</sub> Temperature Coefficient	(%/°C)	-0.26%	0
I <sub>sc</sub> 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/m<sup>2</sup>, Cell Temperature 25°C, AM1.5

NOCT: Irradiance 800W/m<sup>2</sup>, 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 <sup>2</sup> 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

