

HALF-CELL MONOFACIAL MODULE

TYPE: Mono PERC 535-555W



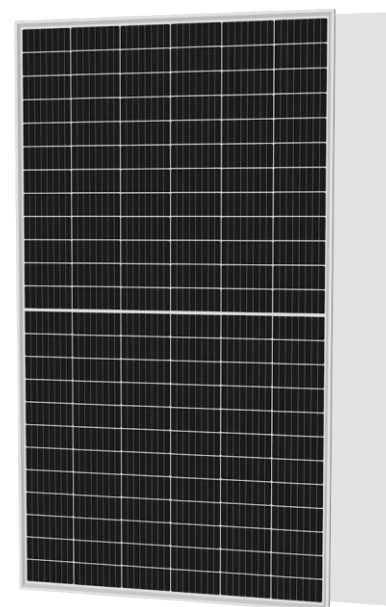
STOREPOWER

POWER OUTPUT
535-555W

MAX EFFICIENCY
21.5%

Mechanical Characteristics

Solar Cell	Monocrystalline silicon 182 mm
No. of Cells	144 (6 × 24)
Dimensions	2278 × 1134 × 35 mm (89.7 × 44.6 × 1.4 inches)
Weight	27.5 kgs (60.6 lbs.)
Front Glass	3.2 mm (0.126 inches) fully tempered glass
Output Cables	4.0 mm ² (-) 350 mm (+) 160 mm in length or customized length
Junction Box	IP68 rated (3 bypass diodes)
Operating Module Temperature	-40 °C to +85 °C
Maximum System Voltage	1500 V DC (IEC)
Maximum Series Fuse Rating	25 A
Power Tolerance	0/+5 W



Electrical Characteristics

Module Type	Mono PERC 555W		Mono PERC 550W		Mono PERC 545W		Mono PERC 540W		Mono PERC 535W	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	555	418.7	550	415	545	411.5	540	408	535	404.3
Optimum Operating Voltage(Vmp/V)	42.24	39.1	42.05	38.9	41.87	38.7	41.75	38.6	41.57	38.4
Optimum Operating Current (Imp/A)	13.14	10.72	13.08	10.67	13.02	10.63	12.94	10.58	12.87	10.53
Open Circuit Voltage (Voc/V)	50.07	47.0	49.88	46.9	49.69	46.7	49.54	46.5	49.39	46.4
Short Circuit Current (Isc/A)	14.07	11.27	14.01	11.22	13.96	11.18	13.89	11.13	13.83	11.08
Module Efficiency (%)	21.5		21.3		21.1		20.9		20.7	

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of Pmax	-0.34%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	0.050%/°C

Packing Configuration

Container	40' HC
Pieces per pallet	31
Pallets per container	20
Pieces per container	620
Packaging box dimensions	2310×1120×1255 mm
Packaging box weight	902 kg

