

HALF-CELL MONOFACIAL MODULE

TYPE: Mono N-TOPcon 565-585W



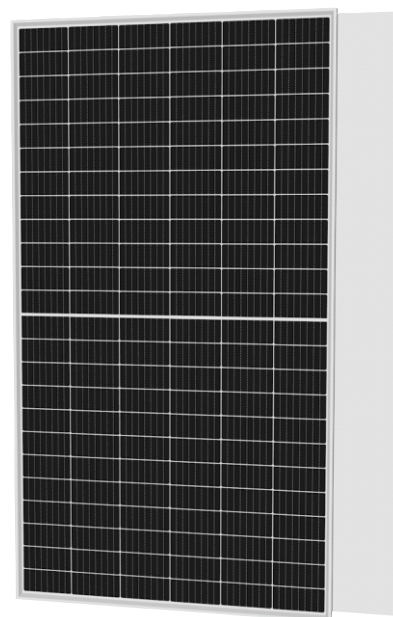
STOREPOWER

POWER OUTPUT
565-585W

MAX EFFICIENCY
22.6%

Mechanical Characteristics

Solar Cell	N-type 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 N-TOPcon 585W		Mono N-TOPcon 580W		Mono N-TOPcon 575W		Mono N-TOPcon 570W		Mono N-TOPcon 565W	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (P _{max} /W)	585	445.9	580	442.1	575	438.4	570	434.6	565	430.7
Optimum Operating Voltage (V _{mp} /V)	42.79	40.4	42.68	40.3	42.56	40.2	42.44	40.1	42.32	39.9
Optimum Operating Current (I _{mp} /A)	13.67	11.04	13.59	10.97	13.51	10.91	13.43	10.85	13.35	10.79
Open Circuit Voltage (V _{oc} /V)	51.55	48.9	51.42	48.8	51.29	48.7	51.16	48.6	51.03	48.5
Short Circuit Current (I _{sc} /A)	14.40	11.61	14.32	11.55	14.24	11.48	14.16	11.42	14.08	11.35
Module Efficiency (%)	22.6		22.5		22.3		22.1		21.9	

Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	42 ± 2 °C
Temperature Coefficient of P _{max}	-0.34%/°C
Temperature Coefficient of V _{oc}	-0.26%/°C
Temperature Coefficient of I _{sc}	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

