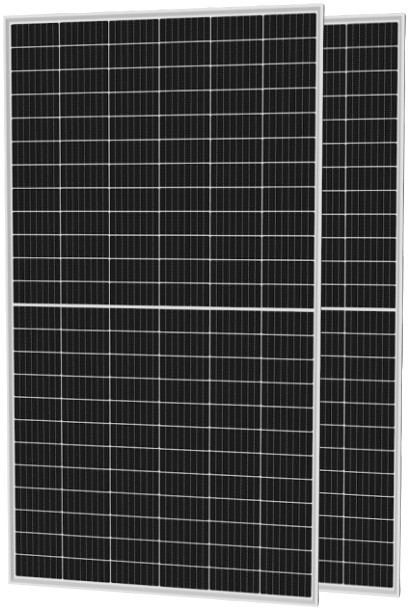
HALF-CELL BIFACIAL MODULE

TYPE: Bi N-TOPCon 610-630W

STOREPOWER

POWER OUTPUT
610-630W

MAX EFFICIENCY
22.8%



Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182 mm
No. of Cells	156 (6 × 26)
Dimensions	2441 × 1134 × 35 mm (96.1 × 44.6 × 1.4 inches)
Weight	35.1 kgs (77.4 lbs.)
Front\ Back Glass	2.0+2.0 mm (0.079+ 0.079inches) semi-tempered glass
Output Cables	4.0 mm^2 (-) 350 mm and (+) 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
Refer. Bifaciality Factor	(80 ± 5)%
Packing Configuration	Packaging box dimensions (mm) : 2470×1130×1269 Packaging box weight (kg) : 1163 31 Pieces per pallet 558 Pieces per container / 40 ' HC

Electrical Characteristics

Module Type	Bi N-TOPCon 630W		Bi N-TOPCon 625W		Bi N-TOPCon 620W		Bi N-TOPCon 615W		Bi N-TOPCon 610W	
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	630	479.5	625	475.9	620	471.7	615	468.4	610	464.5
Optimum Operating Voltage(Vmp/V)	45.26	43	45.14	42.9	45.02	42.7	44.9	42.6	44.78	42.5
Optimum Operating Current (Imp/A)	13.92	11.15	13.85	11.1	13.77	11.04	13.7	10.99	13.62	10.93
Open Circuit Voltage (Voc/V)	54.46	51.7	54.34	51.6	54.22	51.5	54.1	51.4	53.98	51.2
Short Circuit Current (Isc/A)	14.54	11.72	14.47	11.67	14.4	11.61	14.33	11.56	14.26	11.5
Module Efficiency (%)	22.8		22.6		22.4		22.2		22.0	

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

CE

Different Rearside Power Gain

Rearside Power Gain	5%	15%	25%
Maximum Power at STC (Pmax)	651.0	713.0	775.0
Optimum Operating Voltage(Vmp/V)	45.0	45.0	45.1
Optimum Operating Current (Imp/A)	14.46	15.84	17.21
Open Circuit Voltage (Voc/V)	54.2	54.2	54.3
Short Circuit Current (Isc/A)	15.12	16.56	18.00
Module Efficiency (%)	23.5	25.8	28.0