

HALF-CELL MONOFACIAL MODULE

TYPE: Mono N-TOPcon 410-430W full black



STOREPOWER

POWER OUTPUT
410-430W

MAX EFFICIENCY
22.0%

Mechanical Characteristics

Solar Cell	N-type Monocrystalline silicon 182 mm
No. of Cells	108 (6 × 18)
Dimensions	1722 × 1134 × 30 mm (67.8 × 44.6 × 1.2 inches)
Weight	21.0 kgs (46.3 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 430W FB		Mono N-TOPcon 425W FB		Mono N-TOPcon 420W FB		Mono N-TOPcon 415W FB		Mono N-TOPcon 410W FB	
Testing Condition	STC	NMOT								
Maximum Power (Pmax/W)	430	328.7	425	325.0	420	321.1	415	317.3	410	313.5
Optimum Operating Voltage (Vmp/V)	32.33	30.2	32.15	30.0	31.96	29.9	31.78	29.7	31.59	29.6
Optimum Operating Current (Imp/A)	13.30	10.89	13.22	10.82	13.14	10.75	13.06	10.68	12.98	10.60
Open Circuit Voltage (Voc/V)	38.72	36.8	38.59	36.6	38.46	36.5	38.33	36.4	38.20	36.3
Short Circuit Current (Isc/A)	14.25	11.49	14.17	11.42	14.09	11.36	14.01	11.30	13.93	11.23
Module Efficiency (%)	22.0		21.8		21.5		21.3		21.0	

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



Packing Configuration

Container	40' HC
Pieces per pallet	36
Pallets per container	26
Pieces per container	936
Packaging box dimensions	1755×1120×1255 mm
Packaging box weight	794 kg