



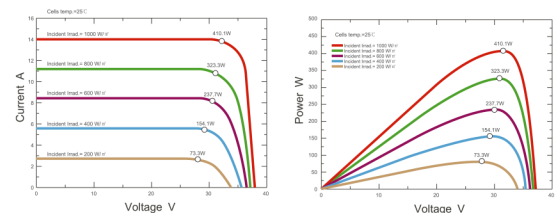
## PV410-435TOPC

# 410-435 Watt

182 mm 108 Cells Monofacial PV Module



### Current-Voltage & Power-Voltage Curves



### Electrical Characteristics

Module Type	PV410TOPC		PV415TOPC		PV420TOPC		PV425TOPC		PV430TOPC		PV435TOPC	
	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	410	313.5	415	317.3	420	321.1	425	325.0	430	328.7	435	330.2
Open Circuit Voltage (Voc/V)	38.20	36.20	38.33	36.40	38.36	36.50	38.59	36.60	38.72	36.80	38.68	36.50
Short Circuit Current (Isc/A)	13.93	11.23	14.01	11.30	14.09	11.36	14.17	11.42	14.25	11.49	14.31	11.53
Optimum Operating Voltage (Vmp/V)	31.60	29.60	31.79	29.70	31.97	29.90	32.16	30.00	32.34	30.20	32.08	30.30
Optimum Operating Current (Imp/A)	12.98	10.60	13.06	10.68	13.14	10.75	13.22	10.82	13.30	10.89	13.57	10.90
Module Efficiency (ηm/%)	21.00		21.30		21.50		21.80		22.00		22.27	
Power Tolerance	0/+4.99 W											
Maximum System Voltage	1500 VDC (IEC /UL)											
Maximum Series Fuse Rating	25 A											

STC: Irradiance 1000 W/m<sup>2</sup>, module temperature 25 °C, AM=1.5; NMOT: Irradiance 800 W/m<sup>2</sup>, ambient temperature 20 °C, AM=1.5, wind speed 1 m/s; Tolerances of Pmax, Voc and Isc are within +/- 3%.

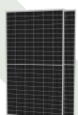
### Mechanical Specifications

Solar Cells	N-Type 16 BB 182 mm (2x54 pcs)
Front/Back Glass	AR Coated 3.2 mm tempered glass
Frame	Anodized aluminum alloy
Junction Box	IP68
Output Cables	4 mm <sup>2</sup> , 1200 mm (+), 1200 mm (-)
Connectors	MC4 compatible

### Temperature Characteristics

Nominal Module Operating Temperature (NMOT)	45±2 °C
Temperature Coefficient of Pmax	-0.290%/ °C
Temperature Coefficient of Voc	-0.250%/ °C
Temperature Coefficient of Isc	+0.045%/ °C
Operating Temperature	-40°C to +85 °C

### Customization Options



Double glass  
or bifacial



Full black



Custom cable  
length



Custom  
connectors

### Packing Configuration

Panel Size	1722 x 1134 x 30 mm
Panel Weight	20.5 kg
Container	20'GP 40'HQ
Pieces per Pallet	36 36
Pallets per Container	6 26
Pieces per Container	216 936