

## 144 SERIES

MONOFACIAL PERC  
440Wp to 450Wp

### SALIENT FEATURES



HIGH  
REMUNERATION



OPTIMUM RAW  
MATERIALS



VOLTAGE



NEGLIGIBLE  
POWER LOSS



HIGHER OUTPUT



ASSURED POWER

### Electrical Parameter

Module Type

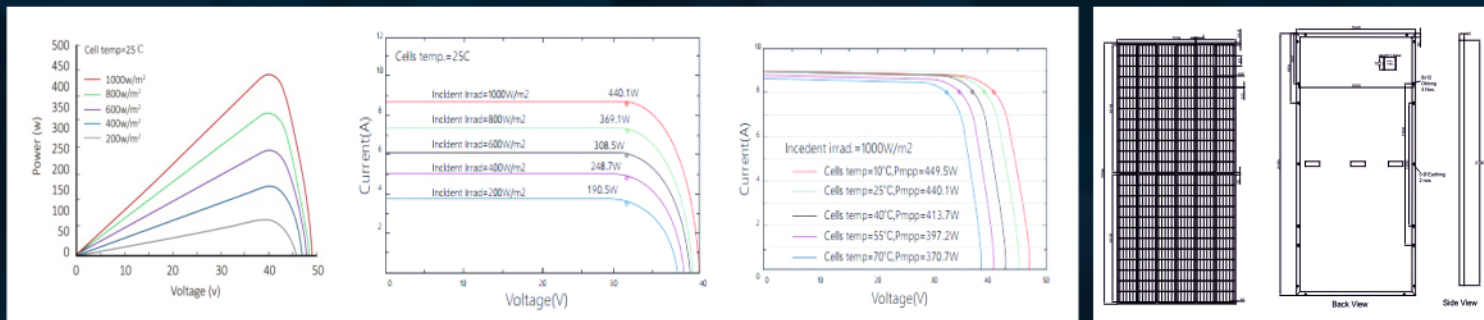
	STC <sup>''</sup>	NOCT <sup>''</sup>	STC <sup>''</sup>	NOCT <sup>''</sup>	STC <sup>''</sup>	NOCT <sup>''</sup>
Capacity rating – P <sub>max</sub> (Wp)	440	329.23	445	333.62	450	337.12
Power Tolerance (%)	0-2	0-2	0-2	0-2	0-2	0-2
Module efficiency (%)	20.15	-	20.38	-	20.60	-
Open circuit voltage, V <sub>oc</sub> (V)	49.23	45.39	49.44	45.59	49.65	45.71
Short circuit current – I <sub>sc</sub> (A)	11.36	9.21	11.43	9.26	11.49	9.33
Rated voltage – V <sub>mp</sub> (V)	41.13	37.92	41.39	38.16	41.65	38.29
Rated current – I <sub>mp</sub> (A)	10.71	8.68	10.76	8.74	10.81	8.80

## Temperature Coefficients (TC) & Permissible Operation Conditions

Temperature Coefficient  $-0.372\% / ^\circ\text{C}$

TC of Open Circuit Voltage ( )  $0.039\% / ^\circ\text{C}$

TC of Short Circuit Current ( )  $-0.52\% / ^\circ\text{C}$



## Mechanical Specification

Module Design **Twin-Peak**

Matrix **2\*12\*6**

No of cell **144**

Full Cell Size (mm) **166**

Cut Cell Size (mm) **83**

Cell Busbar **9**

Module Weight (kg) **25**

Cell Type **Mono-PERC**

Cable Length (mm) **400**

Max System Voltage (V) **1500**

Connector **MC4**

Maximum Series Fuse Rating (A) **25A**

X-Pitch (mm) **1000**

Length (mm) **2100**

Y-Pitch 1 (mm) **400**

Width (mm) **1040**

Y-Pitch 2 (mm) **1000**

Frame Size (mm) **35**

Y-Pitch3 (mm) **1500**

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