



ELECTRICAL CHARACTERISTICS

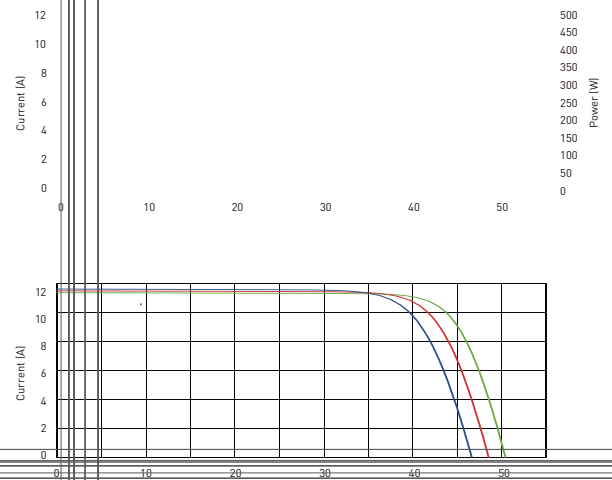
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	435	324	440	328	445	332	450	335	455	339
Operating Voltage (Vmpp/V)	40.3	37.6	40.5	37.8	40.7	38.0	40.9	38.2	41.1	38.4
Operating Current (Impp/A)	10.80	8.62	10.87	8.67	10.94	8.73	11.01	8.78	11.08	8.84
Open-Circuit Voltage (Voc/V)	49.0	45.6	49.2	45.8	49.4	46.0	49.6	46.2	49.8	46.4
Short-Circuit Current (Isc/A)	11.33	9.15	11.40	9.20	11.47	9.26	11.54	9.32	11.61	9.37
Module Efficiency (%)	20.00		20.20		20.40		20.70		20.90	

STC: Irradiance 1000W/m², Spectra at AM1.5, Module Temperature 25°C. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%
 NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20°C, Wind speed 1m/s

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline Silicon (9Busbar)
No. of Cells	144pcs in series (6*24)
Module Dimensions	2094*1038*35mm (82.44*40.87*1.38inches)
Weight	23.5kg (51.81lbs)
Front Glass	3.2mm AR Coating Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Output Cables	4mm ² IEC, 12AWG(UL) 300mm in Length or Customized Length
Connectors	T01/LJQ-3-CSY/MC4/MC4-EV02

I-V CURVE



APPLICATION CONDITIONS

Maximum System Voltage	1000V/1500V/DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	20A
Safety Protection Class	Class II

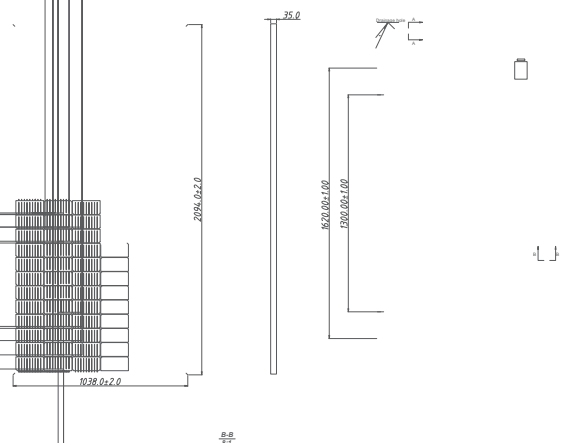
TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.35%/°C
Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	+0.043%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

PACKING CONFIGURATION

Pieces Per Pallet	31	31(USA)
Pieces Per Container(40'HQ)	715	682

TECHNICAL DRAWINGS



The specific information and key features described in this data sheet are made available through a series of engineering, R&D, and production processes. The information is provided for your reference and is subject to change without notice. Please refer to the latest version of the data sheet for the most up-to-date information. The information is provided for your reference and is subject to change without notice. Please refer to the latest version of the data sheet for the most up-to-date information.