ELECTRICAL CHARACTERISTICS

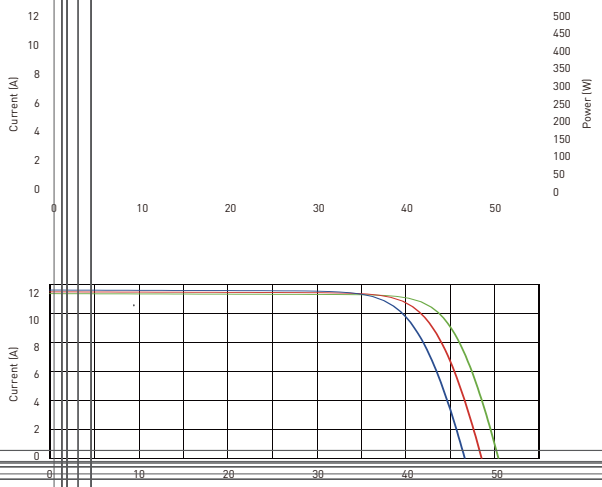
Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	435	324	440	328	445	332	450	335	455	339
Operating Voltage (Vmpp/V)	40.3	37.6	40.5	37.8	40.7	38.0	40.9	38.2	41.1	38.4
Operating Current (Impp/A)	10.80	8.62	10.87	8.67	10.94	8.73	11.01	8.78	11.08	8.84
Open-Circuit Voltage (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℃. Power output tolerance: 0~+5W, Test uncertainty for Pmax: ±3%
NMOT: Irradiance 800W/m², Spectra at AM1.5, Ambient Temperature 20℃, 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	4mm² (IEC), 12AWG(UL) 300mm in Length or Customized Length
Connectors	T01/LUQ-3-CSY/MC4/MC4-EVO2

I-V CURVE



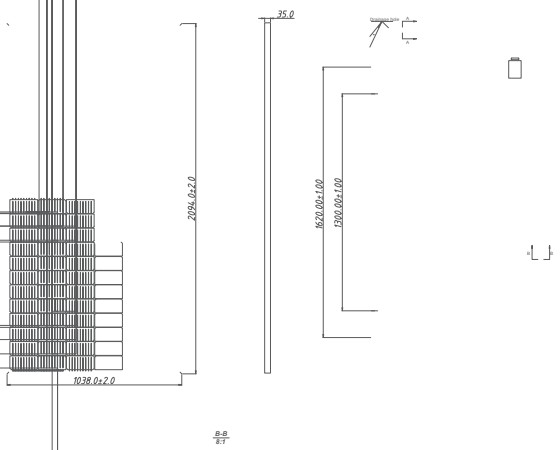
APPLICATION CONDITIONS

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

TEMPERATURE CHARACTERISTICS

Temperature Coefficient of Pmax	-0.36%/°C
Temperature Coefficient of Voc	-0.26%/°C
Temperature Coefficient of Isc	+0.048%/°C
Nominal Module Operating Temperature(NMOT)	43±2°C

TECHNICAL DRAWINGS



PACKING CONFIGURATION

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

TALESUN

The ecifica i n and ke fea e de c ibed in hi da a hee ma de ia e ligh l and a e n g a an eed. D e ng ing inn a i n, R&D enhancemen , S h Tale l n S la Techn l gie C ., L d. e e e he igh make an adj men he inf ma i n de c ibed he ein a an ime i h n ice. Plea e al a b ain he m ecen e i n f he da a hee hich hall be d l inc a ed in he binding c n ac made b he a ie g e ning all an ac i n ela ed he cha e and ale f he d c de c ibed he ein.