

ELECTRICAL CHARACTERISTICS

Testing Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (P _{ma} /W)	585	437	590	441	595	444	600	448	605	452
Operating Voltage (V _{mpp} /V)	34.1	32.0	34.3	32.2	34.5	32.4	34.7	32.6	34.9	32.7
Operating Current (I _{mpp} /A)	17.16	13.65	17.21	13.69	17.25	13.72	17.30	13.77	17.34	13.80
Open-Circuit Voltage (V _{oc} /V)	41.0	38.7	41.2	38.9	41.4	39.1	41.6	39.3	41.8	39.4
Short-Circuit Current (I _{sc} /A)	18.25	14.72	18.30	14.75	18.34	14.78	18.39	14.82	18.43	14.85
Module Efficiency (%)	20.70		20.80		21.00		21.20		21.40	

STC: Irradiance 1000W/m², Spec. a a AM1.5, Module Temperature 25°C, Power loss: 0 +5W, Temperature coefficient P_{ma}: -3%
 NMOT: Irradiance 800W/m², Spec. a a AM1.5, Ambient Temperature 20°C, Wind speed 1m/s

REAR SIDE POWER GAIN(REFERENCE TO 595W FRONT)

P _{ma} gain	5%	10%	15%	20%	25%
P _{ma} /W	625	655	684	714	744
V _{mpp} /V	34.50	34.50	34.50	34.50	34.50
I _{mpp} /A	18.11	18.98	19.84	20.70	21.56
V _{oc} /V	41.30	41.30	41.30	41.30	41.30
I _{sc} /A	19.23	20.14	21.06	21.97	22.89

MECHANICAL CHARACTERISTICS

Cell Type	Monocrystalline Silicon (12Busbar)
No. of Cell	120pcs in series (6*20)
Module Dimension	2172*1303*35mm (85.51*51.30*1.38inches)
Weight	34.8kg (76.72lbs.)
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68, 3 Bypass Diodes
Optical Cable	4mm ² (IEC), 12AWG(UL) 300mm in Length or Customized Length
Connection	T01/LJQ-3-CSY/MC4/MC4-EV02

APPLICATION CONDITIONS

Maximum System Voltage	1500V/DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse	35A
Safe Protection Class	Class II
Mechanical Load	Front side 5400Pa, Back side 2400Pa
Relative Humidity	70%±5%

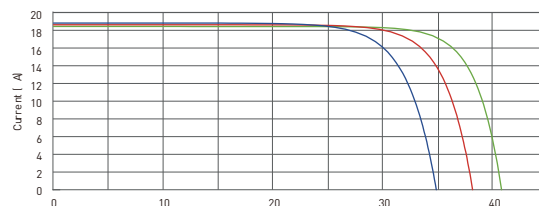
TEMPERATURE CHARACTERISTICS

Temperature Coefficient of P _{ma}	-0.34%/°C
Temperature Coefficient of V _{oc}	-0.25%/°C
Temperature Coefficient of I _{sc}	+0.046%/°C
Nominal Module Operating Temperature (NMOT)	43±2°C

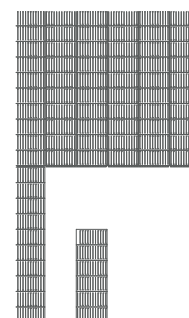
PACKING CONFIGURATION

Pieces per Pallet	31	31(USA)
Pieces per Container (40 HQ)	527	527

I-V CURVE



TECHNICAL DRAWINGS



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