



TALESUN



PERFORMANCE CHARACTERISTICS

Condition	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT	STC	NMOT
Maximum Power (Pmax/W)	440	328	445	332	450	336	455	339	460	343
Maximum Voltage (Vmpp/V)	34.35	32.1	34.53	32.2	34.70	32.4	34.87	32.6	35.04	32.7
Maximum Current (Impp/A)	12.81	10.23	12.89	10.30	12.97	10.36	13.05	10.42	13.13	10.49
Open Circuit Voltage (Voc/V)	40.99	38.6	41.16	38.7	41.33	38.9	41.50	39.1	41.67	39.2
Short Circuit Current (Isc/A)	13.69	11.04	13.78	11.11	13.86	11.17	13.94	11.24	14.02	11.30
Efficiency (%)	20.30		20.50		20.70		21.00		21.20	

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

POWER GAIN(REFERENCE TO 445W FRONT)

	5%	10%	15%	20%	25%
Power (W)	467	490	512	534	556
Vmpp (V)	34.53	34.53	34.53	34.53	34.53
Impp (A)	13.53	14.18	14.82	15.47	16.11
Voc (V)	41.16	41.16	41.16	41.16	41.16
Isc (A)	14.47	15.16	15.85	16.54	17.23

MECHANICAL CHARACTERISTICS

Material	Monocrystalline Silicon (10Busbar)
Configuration	120pcs in series (6*20)
Dimensions	1914*1134*30mm (75.35*44.65*1.18inches)
Weight	26.8kg (59.1lbs)
Front Glass	2.0mm AR Coating Semi-tempered Glass
Back Glass	2.0mm Glazed Semi-tempered Glass
Frame	Anodized Aluminium Alloy
Protection	IP68, 3 Bypass Diodes
Wiring	4mm ² (IEC), 12AWG(UL) 300mm in Length or Customized Length
Model	T01/LJQ-3-CSY/MC4/MC4-EV02

1000V/DC

Operating Temperature: -40°C~+85°C

II

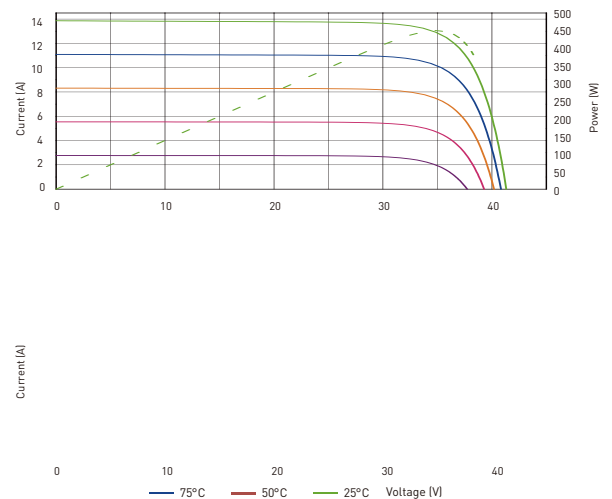
Front side 5400Pa, Back side 2400Pa

%

36(USA)

684

I-V CURVE



TECHNICAL DRAWINGS

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