



ELEKTRISCHE DATEN (STC)

Spitzenleistung Watt-PMAX (Wp)*	420	425	430	435	440
Leistungstoleranz-PMAX (W)	0 ~ +5				
Maximale Leistungsspannung-VMPP (V)	42.5	42.9	43.2	43.6	43.9
Maximaler Leistungsstrom-IMPP (A)	9.89	9.92	9.96	9.99	10.02
Leerlaufspannung-VOC (V)	50.5	50.9	51.4	51.8	52.2
Kurzschlussstrom-ISC (A)	10.54	10.57	10.60	10.65	10.68
Moduleffizienz η_m (%)	21.0	21.3	21.5	21.8	22.0

STC: Bestrahlungsstärke 1000W/m², Zelltemperatur 25°C, Luftmasse AM1.5. *Messtoleranz: ±3%.

ELEKTRISCHE DATEN (NOCT)

Maximale Leistung-PMAX (Wp)	320	324	328	332	335
Maximale Leistungsspannung-VMPP (V)	39.7	40.0	40.4	40.7	41.0
Maximaler Leistungsstrom-IMPP (A)	8.07	8.09	8.11	8.15	8.17
Leerlaufspannung Voc (V)	47.8	48.2	48.7	49.1	49.4
Kurzschlussstrom Isc (A)	8.49	8.51	8.53	8.57	8.60

NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s.

MECHANICAL DATA

Solar Cells	Monocrystalline
No. of cells	144 cells
Module Dimensions	1762×1134×30 mm (69.06×43.15×1.18 inches)
Weight	21.1kg (46.5lb)
Front Glass	1.6 mm (0.06 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant material	EVA/POE
Back Glass	1.6mm(0.06 inches), Heat Strengthened Glass
Frame	30mm (0.06 inches) Anodized Aluminium Alloy, Black
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm ² (0.006 inches ²), Portrait: 350/280 mm(13.78/11.02 inches) Length can be customized
Connector	MC4 EVO2 / TS4*

*Please refer to regional datasheet for specified connector.

TEMPERATURE RATINGS

NOCT (Nominal Operating Cell Temperature)	43°C (±2°C)
Temperature Coefficient of P _{MAX}	-0.30%/°C
Temperature Coefficient of Voc	-0.24%/°C
Temperature Coefficient of Isc	0.04%/°C

MAXIMUM RATINGS

Operational Temperature	-40~+85°C
Maximum System Voltage	1500V DC (IEC)
Max Series Fuse Rating	20A

WARRANTY

15 year Product Workmanship Warranty
30 year Power Warranty
1% first year degradation
0.4% Annual Power Attenuation

(Please refer to product warranty for details)

PACKAGING CONFIGURATION

Modules per box: 36 pieces
Modules per 40' container: 936 pieces