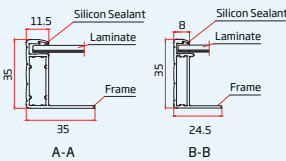
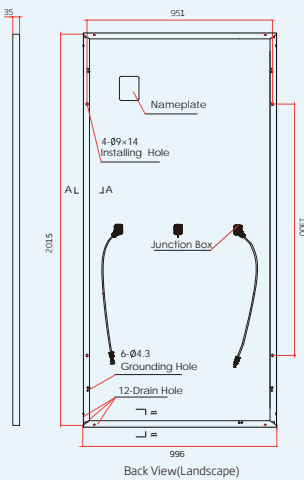
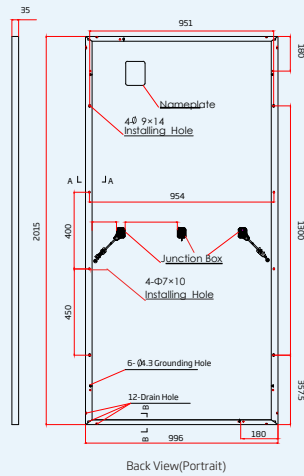
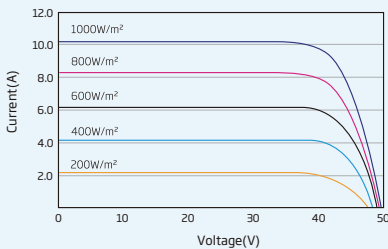




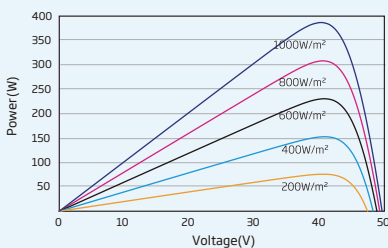
### DIMENSIONS OF PV MODULE (mm)



### I-V CURVES OF PV MODULE (390W)



### P-V CURVES OF PV MODULE (390W)



### ELECTRICAL DATA (STC)

Peak Power Watts- $P_{MAX}$ (Wp)*	390	395	400	405	410	415
Power Output Tolerance- $P_{MAX}$ (W)	0 ~ +5					
Maximum Power Voltage- $V_{MPP}$ (V)	40.0	40.1	40.3	40.5	40.7	40.9
Maximum Power Current- $I_{MPP}$ (A)	9.75	9.86	9.92	10.0	10.07	10.15
Open Circuit Voltage- $V_{OC}$ (V)	48.5	48.7	49.0	49.2	49.4	49.6
Short Circuit Current- $I_{SC}$ (A)	10.30	10.37	10.45	10.52	10.59	10.66
Module Efficiency $\eta_m$ (%)	19.4	19.7	19.9	20.2	20.4	20.7

STC: Irradiance 1000W/m<sup>2</sup>, Cell Temperature 25°C, Air Mass AM1.5.  
\* Measurement tolerance:  $\pm 3\%$ .

### ELECTRICAL DATA (NMOT)

Maximum Power- $P_{MAX}$ (Wp)	295	299	302	306	310	314
Maximum Power Voltage- $V_{MPP}$ (V)	37.6	37.8	38.0	38.2	38.4	38.6
Maximum Power Current- $I_{MPP}$ (A)	7.84	7.90	7.95	8.01	8.07	8.13
Open Circuit Voltage- $V_{OC}$ (V)	45.7	45.9	46.2	46.4	46.6	46.8
Short Circuit Current- $I_{SC}$ (A)	8.30	8.35	8.42	8.47	8.53	8.58

NMOT: Irradiance at 800W/m<sup>2</sup>, Ambient Temperature 20°C, Wind Speed 1m/s.

### MECHANICAL DATA

Solar Cells	Monocrystalline
Cell Orientation	144 cells (6 × 24)
Module Dimensions	2015 × 996 × 35 mm (79.33 × 39.21 × 1.38 inches)
Weight	22.0kg ( 48.5lb)
Glass	3.2 mm (0.13 inches), High Transmission, AR Coated Heat Strengthened Glass
Encapsulant Material	EVA
Backsheet	White
Frame	35 mm (1.38 inches) Anodized Aluminium Alloy
J-Box	IP 68 rated
Cables	Photovoltaic Technology Cable 4.0mm <sup>2</sup> (0.006 inches <sup>2</sup> ) Portrait: N 140mm/P 285mm (5.51/11.22 inches) Landscape: N 1400 mm /P 1400 mm (55.12/55.12 inches)
Connector	Trina TS4/MC4-Evo2
Fire Type	Type 1

### TEMPERATURE RATINGS

NMOT (Nominal Module Operating Temperature)	41°C ( $\pm 3^\circ\text{C}$ )
Temperature Coefficient of $P_{MAX}$	- 0.36%/°C
Temperature Coefficient of $V_{OC}$	- 0.26%/°C
Temperature Coefficient of $I_{SC}$	0.04%/°C

### MAXIMUM RATINGS

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

(Do not connect Fuse in Combiner Box with two or more strings in parallel connection)

### WARRANTY

- 12 year Product Workmanship Warranty
- 25 year Power Warranty

(Please refer to product warranty for details)

### PACKAGING CONFIGURATION

- Modules per box: 31 pieces
- Modules per 40' container: 682 pieces
- Pallet dimensions (L x W x H): 2055 x 1125 x 1153 mm
- Pallet weight: 723.5kg (1,595lb)