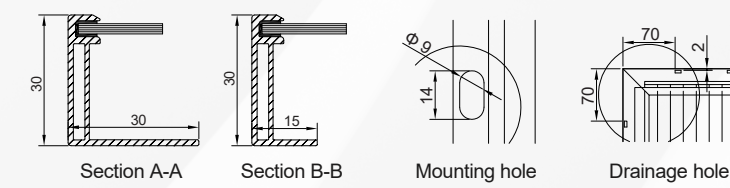
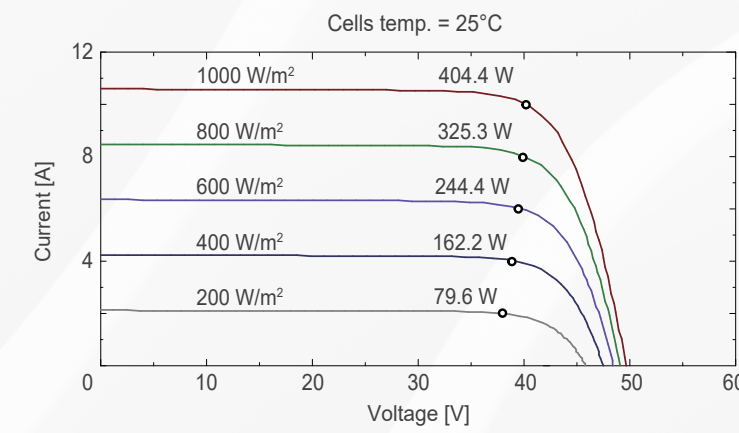
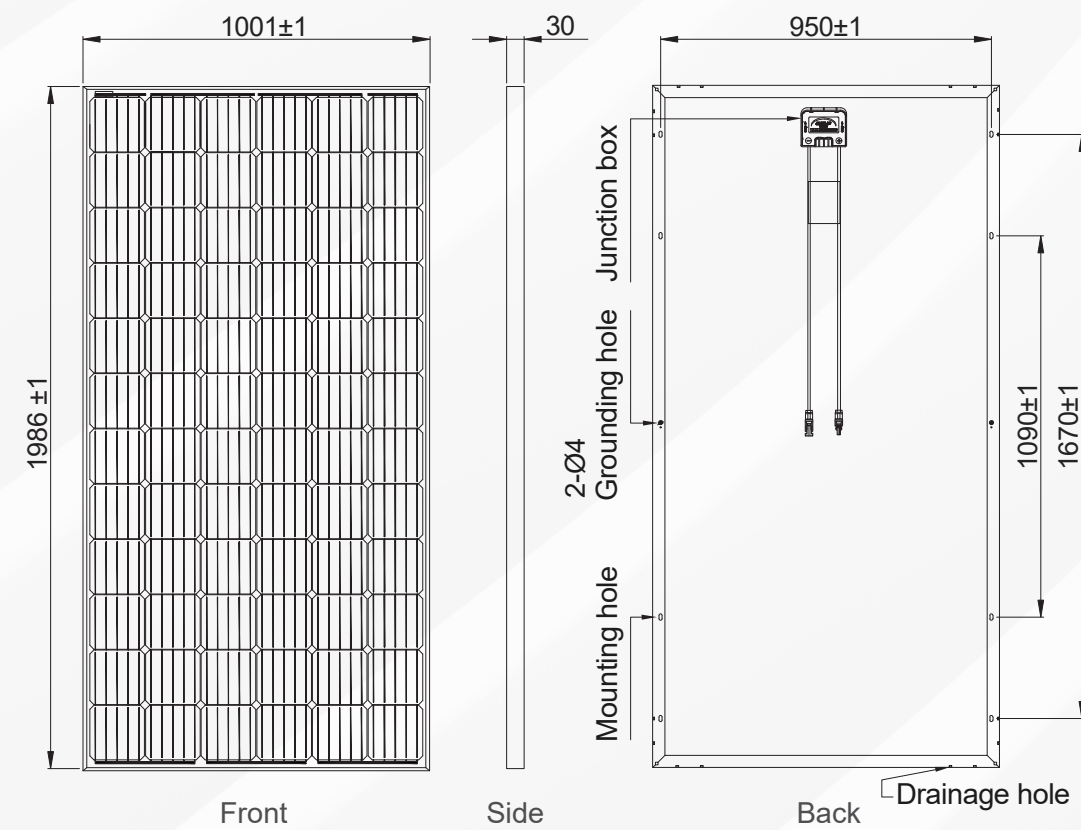


## ECO-72M 385W-400W

P-TYPE PERC TECHNOLOGY PV MODULE



### Electrical specifications (STC\*):

Nominal max. power	$P_{max}$ (Wp)	385	390	395	400
Maximum operating voltage	$V_{MPP}$ (V)	40.80	41.10	41.40	41.71
Maximum operating current	$I_{MPP}$ (A)	9.44	9.49	9.54	9.59
Open-circuit voltage	$V_{oc}$ (V)	49.10	49.30	49.48	49.69
Short-circuit current	$I_{sc}$ (A)	9.92	10.12	10.50	10.59
Module efficiency	$\eta$ (%)	19.53	19.79	20.04	20.29
Power tolerance	(W)		0~+5		
Maximum system voltage	(V)		1500		
Maximum series fuse rating	(A)		15		

\*STC: Standard Test Conditions (irradiance 1000 W/m<sup>2</sup>, cell temperature 25°C and air mass of AM1.5), measurement tolerance  $P_{max}$ : ±3%

### Electrical specifications (NMOT\*):

Nominal max. power	$P_{max}$ (Wp)	288	291	294	297
Maximum operating voltage	$V_{MPP}$ (V)	38.10	38.30	38.50	38.70
Maximum operating current	$I_{MPP}$ (A)	7.55	7.59	7.63	7.67
Open-circuit voltage	$V_{oc}$ (V)	46.70	46.90	47.10	47.30
Short-circuit current	$I_{sc}$ (A)	7.94	8.10	8.40	8.47

\*NMOT: Normal Module Operating Temperature (irradiance 800 W/m<sup>2</sup>, ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

### Mechanical and design specification

Cell type	Gallium-doped mono c-Si PERC, full cells
No. of cells	72
Front cover	3.2 mm glass, high transmission, AR coated, tempered
Encapsulation	EVA
Back cover	White backsheet
Junction box	IP68 rated, 3 bypass diodes
Frame	30 mm anodized aluminium alloy
Cable	1 x 4 mm <sup>2</sup> , 900 mm length or customized
Connectors	MC 4 / MC 4 compatible
Dimension	1986 mm x 1001 mm x 30 mm
Weight	20.5 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa or 244 kg/m <sup>2</sup>
Snow load	5400 Pa or 550 kg/m <sup>2</sup>

### Temperature ratings

Operating temperature	-40 to +85°C
Temp. coefficient of $P_{max}$	-0.37 %/°C
Temp. coefficient of $V_{oc}$	-0.28 %/°C
Temp. coefficient of $I_{sc}$	0.048 %/°C
Nom. operating cell temp. NOCT	45 ± 2°C

### Packaging information

Packaging configuration	36 pcs / pallet
Loading capacity	836 pcs / 40 HQ
Size / Pallet	2015 mm x 1140 mm x 1117 mm
Weight	780 kg / pallet

