

Electrical Characteristics at Standard Test Conditions(STC)/ Normal Operating Cell Temperature(NOCT)

Module Type	ST- 6M-72L-425	ST- 6M-72L-430	ST- 6M-72L- 435	ST- 6M-72L- 440	ST- 6M-72L- 445
Maximum Power -Pmax (W)	425 / 316	430 / 320	435 / 324	440 / 327	445 / 331
Maximum Power Voltage - Vmp (V)	40.4 / 37.41	40.6 / 37.59	40.8 / 37.82	41.0 / 37.92	41.2 / 38.16
Maximum Power Current - Imp (A)	10.52 / 8.45	10.60 / 8.51	10.67 / 8.57	10.74 / 8.62	10.80 / 8.67
Open-circuit Voltage - Voc (V)	48.2 / 45.40	48.4 / 45.73	48.70 / 46.05	48.90 / 46.23	49.20 / 46.55
Short-circuit Current - Isc (A)	11.12 / 8.98	11.18 / 9.03	11.24 / 9.08	11.30 / 9.13	11.36 / 9.17
Module Efficiency STC (%)	19.55	19.78	20.01	20.24	20.47

Electrical Characteristics at Standard Test Conditions(STC)/ Normal Operating Cell Temperature(NOCT)

Module Type	ST- 6M-72L- 450	ST- 6M-72L- 455	ST- 6M-72L- 460	ST- 6M-72L- 465
Maximum Power -Pmax (W)	450 / 335	455 / 339	460 / 342	465 / 346
Maximum Power Voltage - Vmp (V)	41.4 / 38.38	41.6 / 38.6	41.8 / 38.70	42.0 / 38.92
Maximum Power Current - Imp (A)	10.87 / 8.73	10.94 / 8.78	11.00 / 8.84	11.07 / 8.89
Open-circuit Voltage - Voc (V)	49.50 / 46.87	49.70 / 47.1	49.90 / 47.39	50.10 / 47.74
Short-circuit Current - Isc (A)	11.42 / 9.22	11.48 / 9.27	11.53 / 9.31	11.58 / 9.35
	20.70	20.93	21.16	21.39
Power tolerance	0~+5W		Operating Temperature(°C)	-40°C ~+85°C
Temperature coefficients of Pmax	-0.370%/C		Maximum system voltage	1500 V
Temperature coefficients of Voc	-0.286%/C		Maximum series fuse rating	20A
Temperature coefficients of Isc	0.050%/C		Nominal operating cell temperature	45±2°C

Mechanical Characteristics

Cell Type	Mono-crystalline PERC 166×83mm
No.of cells	144 (6×24)
Dimensions	2094×1038×35mm
Weight	23.0 kg
Glass	Single Glass 3.2mm Coated Tempered Glass
Frame	Anodized Aluminium Alloy
Junction Box	IP68 Three Diodes
Output Cables	1×4.0mm ² , Length:300mm or Customized Length
Packaging Configuration	62pcs /double pallets, 682pcs/40'HQContainer

Dimensions

