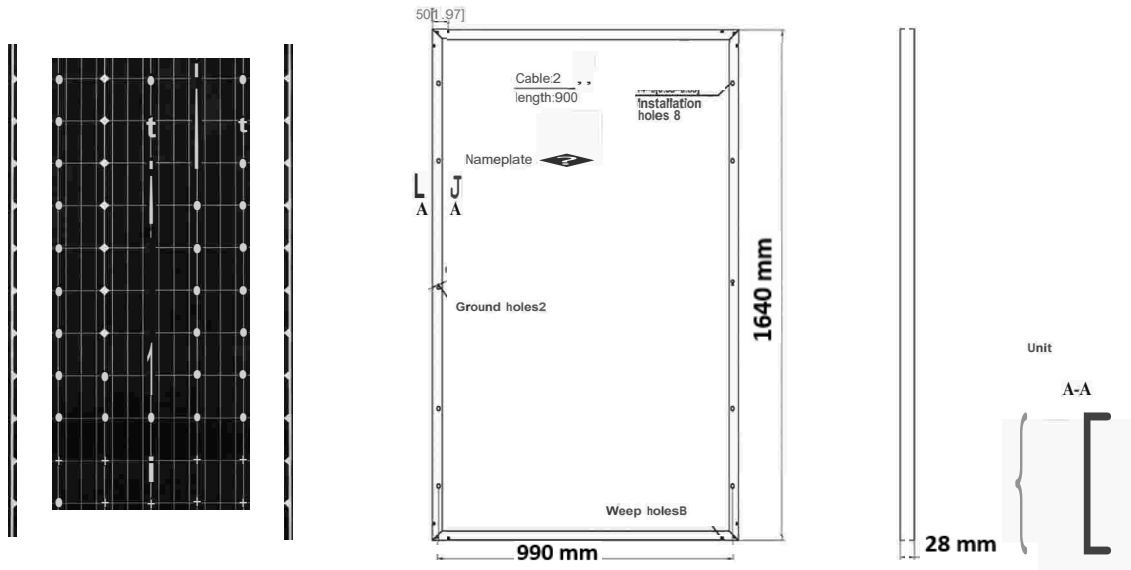


72/270-310M

YiSolar



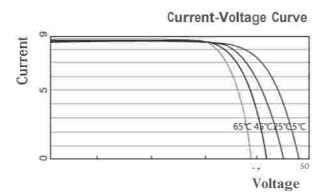
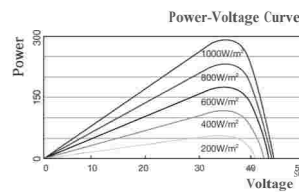
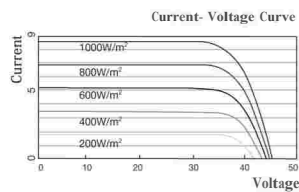
Mechanical Parameters

Cell (mm)	Mono 156x156
Weight (kg)	24
Dimension(L xWx H) (mm)	11640 x 990 x 28
Cable Sectional Area (mm ²)	4
No.of Cells	72(6x12)
No.of Diodes	6
Connector	MC4 Compatible joint
Packaging Information	26/26+2 Per Pallet

Working Parameters

Maximum System Voltage	DC 1000V(TÜV)
Operating Temperature	-40C~+85C
Maximum Fuse Rated Current	15A
Maximum Static Load Front(Wind Load,Snow Load)	5400Pa (112 lb/ft' ²) 2400Pa (50 lb/ft' ²)
Normal Operating Cell Temperature	45±2C
Application Class	Class A

I-V Curve



Electrical Parameters (Standard Test Condition)

Module Type	Y16C-270M	Y16C-280M	Y16C-290M	Y16C-295M	Y16C-300M	Y16C-305M	Y16C-310M
Maximum Power P_{MPP}	270	280	290	295	300	305	310
Open Circuit Voltage V_{oc}	45.13	45.38	45.72	45.92	46.10	46.28	40.8
Maximum Operating Voltage V_{MPP}	36.28	36.57	36.76	36.92	37.13	37.52	35.8
Short Circuit Current I_{sc}	8.31	8.50	8.60	8.64	8.68	8.73	9.36
Maximum Operating Current I_{MPP}	7.45	7.69	7.89	7.99	8.08	8.13	8.68
Module Efficiency [%]	13.98	14.50	15.02	15.28	15.54	15.80	16.06
Power Tolerance ΔP	±3%						
Short Circuit Current I_{sc} Temp.Coefficient α_{Isc}	+0.049%/°C						
Open Circuit Voltage V_{oc} Temp.Coefficient α_{Voc}	-0.220%/°C						
Maximum Power P_{MPP} Temp.Coefficient $\alpha_{P_{MPP}}$	-0.430%/°C						
Standard Test Condition	Irradiation Intensity 1000W/m ² , Module Temperature 25°C, Spectrum AM 1.5						