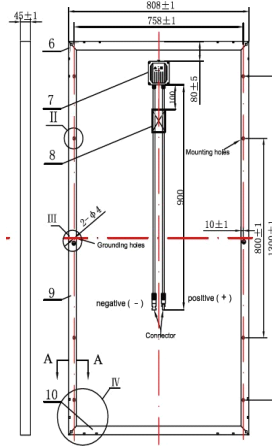
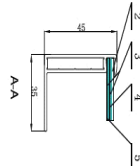
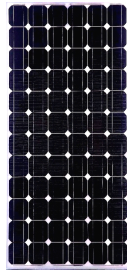


JMM180-72 SERIES (165-200W)

Electrical specifications	JMM165	JMM170	JMM175	JMM180	JMM185	JMM190	JMM195	JMM200	
Maximum power (P _{mpp})	165±5%	170±5%	175±5%	180±5%	185±5%	190±5%	195±5%	200±5%	Wp
Maximum power point voltage (V _{mpp})	35	35.5	35.5	36	36	36.5	36.5	36.5	V
Maximum power point current (I _{mpp})	4.71	4.79	4.93	5	5.14	5.21	5.34	5.48	A
Short circuit current (I _{sc})	5.04	5.08	5.23	5.3	5.45	5.52	5.77	5.92	A
Open circuit voltage (V _{oc})	42.7	43.3	43.3	43.9	43.9	44.5	44.5	44.5	V
Module efficiency	12.90	13.30	13.70	14.10	14.50	14.90	15.27	15.67	%
Power cells	2.30	2.36	2.43	2.50	2.57	2.64	2.71	2.78	Wp
Cells efficiency	15.40	15.90	16.40	16.80	17.30	17.80	18.20	18.70	%
Maximum system voltage	1000.00	1000	1000	1000	1000	1000	1000	1000	V-DC
Maximum Series Fuse Rating	10	10	10	10	10	10	10	10	A
Operational Temperature	- 40to+85	- 40to+85	- 40to+85	- 40to+85	- 40to+85	- 40to+85	- 40to+85	- 40to+85	°C

Mechanical Data **Dimension of PV Module**

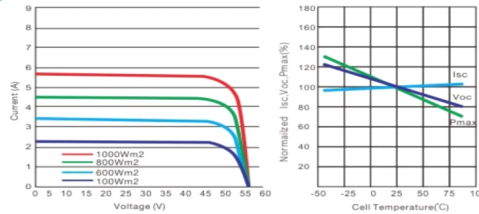
Cell Type	Mono	
Number of cells	72 (6*12)	pcs
Dimensions (h x w)	1580*808	mm
Thickness	45	mm
Weight	15.5	kg
Loading in 40GP	644	pcs



Materials	
Cells	125*125
Glass	High transparency glass, 3.2mm
Back sheet	KREMPPEL TPT
Junction box	PV-ZH008
Cables	2 x 0.9m, 4mm ² , UV resistant,
Connectors	MultiContact MC4, IP67

Temperature Rates **IV CURVES**

NOCT	47°C ± 2°C
Temperature Coefficient of P _{mpp}	- 0.45%/K
Temperature Coefficient of V _{oc}	- 0.35%/K
Temperature Coefficient of I _{sc}	+ 0.06%/K



Warranty	
Power	±3%
Warranty 5 years Workman ship	
10 years 90% of P _{mpp}	
25 years 80% of P _{mpp}	

