

JY1-72H400PC(500~530W)

TYPICAL ELECTRICAL CHARACTERISTICS AT STANDARD TEST CONDITIONS(STC)

Typical Type	Unit	JY1-72H500PC	JY1-72H505PC	JY1-72H510PC	JY1-72H515PC	JY1-72H520PC	JY1-72H525PC	JY1-72H530PC
Max-Power	P _m (W)	500	505	510	515	520	525	530
Power Tolerance	W	0~+5W						
Max-Power Voltage	V _m (V)	39.65	39.80	39.95	40.10	40.24	40.40	40.55
Max-Power Current	I _m (A)	12.62	12.70	12.78	12.86	12.94	13.01	13.09
Open-Circuit Voltage	V _{oc} (V)	47.30	47.50	47.70	47.90	48.10	48.30	48.50
Short-Circuit Current	I _{sc} (A)	13.42	13.47	13.52	13.57	13.62	13.67	13.72
Module Efficiency	η _m (%)	18.60	18.80	19.00	19.20	19.30	19.50	19.70

STC:AM=1.5, 1000W/m² irradiance, Module Temperature 25°C

ELECTRICAL CHARACTERISTICS AT NOMINAL MODULE OPERATING TEMPERATURE (NMOT)

Typical Type	Unit	JY1-72H500PC	JY1-72H505PC	JY1-72H510PC	JY1-72H515PC	JY1-72H520PC	JY1-72H525PC	JY1-72H530PC
Max-Power	P _m (W)	377	381	385	389	393	397	401
Max-Power Voltage	V _m (V)	36.86	36.98	37.13	37.27	37.43	37.56	37.71
Max-Power Current	I _m (A)	10.25	10.31	10.38	10.45	10.51	10.58	10.63
Open-Circuit Voltage	V _{oc} (V)	44.50	44.70	44.90	45.10	45.30	45.50	45.70
Short-Circuit Current	I _{sc} (A)	10.73	10.76	10.81	10.85	10.89	10.93	10.96

NMOT: 800W/m² irradiance, 20°C ambient temperature, 1m/s wind speed

OPERATING CONDITIONS

Max. system voltage	DC1500V(IEC)
Max. series fuse rating	20A
Operating temperature range	-40°C~+85°C
Connector	MC4 Compatible
Junction Box	IP68
Cable	4mm ² ; 400mm or Customized Length
Bending radius	0.3m

THERMAL CHARACTERISTIC

Nominal Module Operating (NMOT)	41±2°C
Temperature coefficient of P _{max}	-0.38%/°C
Temperature coefficient of V _{oc}	-0.28%/°C
Temperature coefficient of I _{sc}	0.02%/°C

MECHANICAL PROPERTY

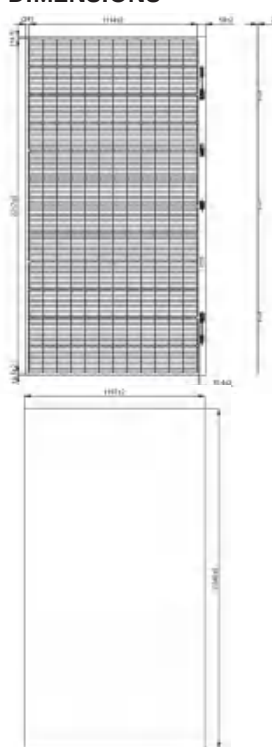
Dimension(L × W × H)	2246mmx1197mmx2.5mm
Weight	9.1kg
Backboard Specification	backboard (white)
Cell	144(12x12)/Mono/182*91mm/ φ247mm
Weight per unit area	3.38kg/m ²
Power per unit area	186.0~197.1W/m ²

PACKAGING

Encapsulant (material)	EVA	Frame	none
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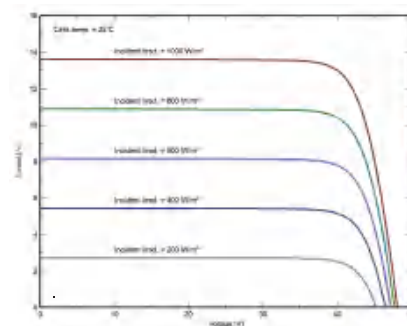
Transportation	Loading Unit	Modules/Unit	Modules/Pallet
Container	20'GP	350pcs	70pcs
Container	40'HQ	700pcs	70pcs
Platform Lorry	13m	1540pcs	70pcs
Platform Lorry	17.5m	2100pcs	70pcs

DIMENSIONS

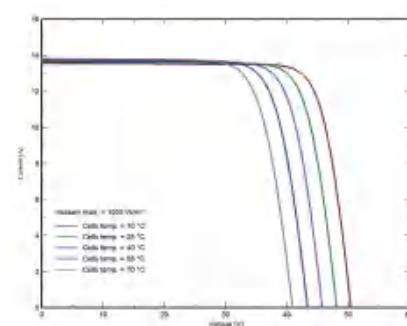


IV CURVE

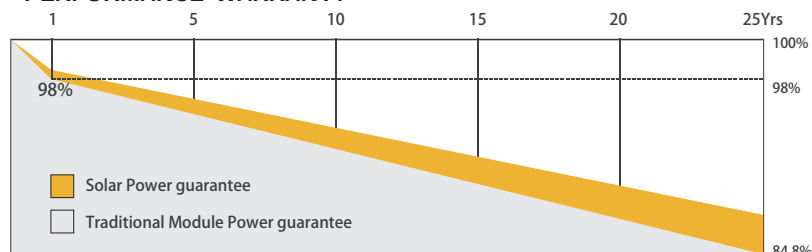
I-V Curves of JY1-54H400PC at different irradiance



I-V Curves of JY1-54H400PC at different cell temperature



PERFORMANCE WARRANTY



※ Within the first year from the date of installation and normal operation, the output power shall not be less than 98% of the product's minimum output power as set forth in the specifications. Afterwards, maximum 0.55% output power decrease per year. After 25 years, the product's output power shall not be less than 84.8% of its minimum output power as set forth in the specifications.