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Solar Panel Guide Specification Data Sheet

Huajun Power (China) Co., Ltd.

HJ-M-Xa 280-305W

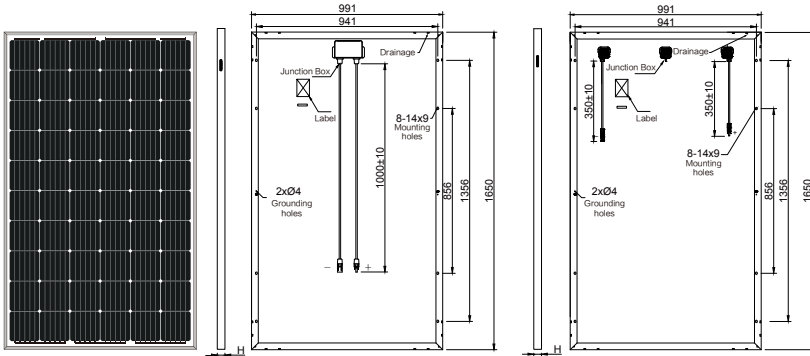
HJ-290M-Xa

Also available on the web at
EnergyPal.com/huajun-power-china-co-ltd-solar-panels/hj-290m-xa

HJ-M-Xa

Monocrystalline Silicon Module

280W / 285W / 290W / 295W / 300W / 305W



MECHANICAL PARAMETERS

Solar Cell	Mono156.75x156.75mm
Cell Orientation	60pcs(6x10)
Module Dimensions	1650x991x35mm
Weight	18.3kg
Glass	3.2mm Coated Tempered Glass
Frame	Silver Anodized Aluminium Alloy
J-Box	IP67/IP68
Cables	Photovoltaic Technology Cable 4.0mm ² ,1000mm
Connector	MC4 Compatible
Max. Wind Load / Max. Snow Load	2400Pa/5400Pa 1600Pa/3600Pa

ELECTRICAL PARAMETERS | STC*

*STC: Irradiance 1000W/m², Module Temperature 25°C, AM1.5

Component Model	HJ-280M-Xa	HJ-285M-Xa	HJ-290M-Xa	HJ-295M-Xa	HJ-300M-Xa	HJ-305M-Xa
Rated Max. Power(P _{max} /W)	280	285	290	295	300	305
Max. Power Voltage(V _{mp} /V)	31.71	31.81	32.21	32.51	32.61	32.91
Max. Power Current(I _{mp} /A)	8.83	8.96	9.01	9.07	9.19	9.27
Open Circuit Voltage(V _{oc} /V)	39.01	39.31	39.51	39.71	39.91	40.21
Short Circuit Current(I _{sc} /A)	9.35	9.45	9.50	9.55	9.64	9.72
Module Efficiency(%)	17.12	17.43	17.74	18.04	18.35	18.65

ELECTRICAL PARAMETERS | NOCT*

*NOCT: Irradiance at 800W/m², Ambient Temperature 20°C, AM1.5, Wind Speed 1m/S

Component Model	HJ-280M-Xa	HJ-285M-Xa	HJ-290M-Xa	HJ-295M-Xa	HJ-300M-Xa	HJ-305M-Xa
Rated Max. Power(P _{max} /W)	209	212	216	220	223	227
Max. Power Voltage(V _{mp} /V)	29.41	29.61	29.91	30.21	30.41	30.61
Max. Power Current(I _{mp} /A)	7.11	7.16	7.23	7.28	7.34	7.42
Open Circuit Voltage(V _{oc} /V)	36.31	36.61	36.71	36.91	37.11	37.31
Short Circuit Current(I _{sc} /A)	7.55	7.63	7.67	7.71	7.78	7.84

TEMPERATURE CHARACTERISTIC

Temperature Coefficient of P _{max}	-0.39%/°C
Temperature Coefficient of V _{oc}	-0.30%/°C
Temperature Coefficient of I _{sc}	+0.06%/°C
Normal Operating Cell Temperature(NOCT)	44°C ± 2°C

PACKING CONFIGURATION

Packing Configuration	20'GP	40'HC
Pieces Per Pallet	31	
Pallets Per Container	6	28
Pieces Per Container	186	868

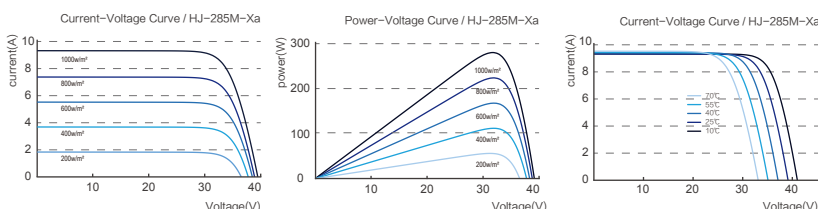
CERTIFIED PRODUCT

- IEC 61215 / IEC 61730 / CE
- ISO 9001 : 2008 Quality Management System (QMS)
- ISO 14001 : 2004 Environment Mangement System (EMS)
- OHSAS 18001 : 2007 Occupational Health and Safety Management System

WORKING PARAMETERS

Operating Temperature(°C)	-40~+85
Max. System Voltage(V)	DC1000(IEC)
Max.Series Fuse(A)	15
Application Class	Class II
Power Tolerance	0~+5W

I-V CURVES



QUALITY ASSURANCE

