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Solar Panel Guide Specification Data Sheet

Xuzhou Hengda Electronic Co., Ltd.

HDM60 270-285W

HDM60-275

Also available on the web at
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Xuzhou HengDa Electronics Co., LTD.
Nanjing HeRong Photovoltaic Energy Co., LTD

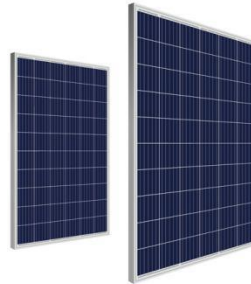
Xuzhou Hengda Electronics Co. LTD., is in 1st room 1003 No.129 jianguo west road Xuzhou jiangsu China, founded in Mar 2004, registered capital of 5 million yuan, is a set research and development, production, sales for the integration of high-tech photovoltaic enterprise. We have 12 technical teams and 80 workers.

Mainly engaged in crystalline silicon solar cell components, photovoltaic system engineering, solar application products research and development, manufacturing sales and after-sales service, is the main support of of xu zhou city. jiangsu province and high-tech enterprise.

Hengda built in a period of science and technology production lines, automatic battery components design production capacity of 500 megawatts, phase i crystalline silicon cell module project is in planning. The company has passed ISO9001:2008 international quality system certification, ISO14001:2004 environmental management system certification, OHSAS18001:2007 occupational health management system certification, the company strictly in accordance with the quality management system and operational management process. With perfect industrial technology advantages and unique corporate culture and efficient management team, Heng Da electronics has entered a rapid development period, successively and the JingXing photovoltaic electricity, XinQi power, CLP electric industry leading to establish long-term cooperative partnership, to provide customers with high quality components and perfect after-sales service, won the praise of customers.



 Xuzhou HengDa Electronics Co., LTD.



60 Poly solar panels



60 Mono solar panels

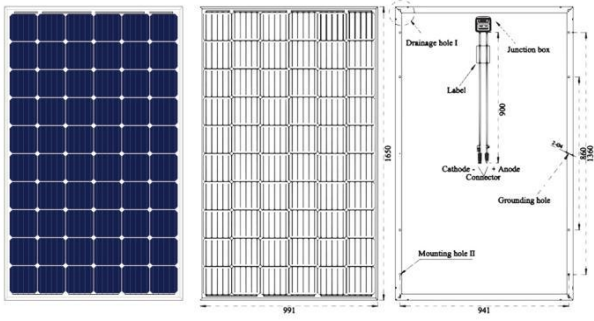


72 Poly solar panels

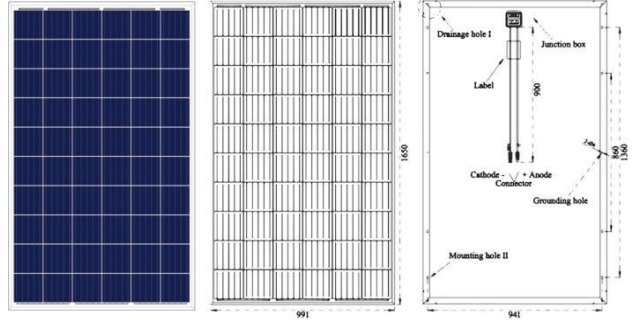


72 Mono solar panels

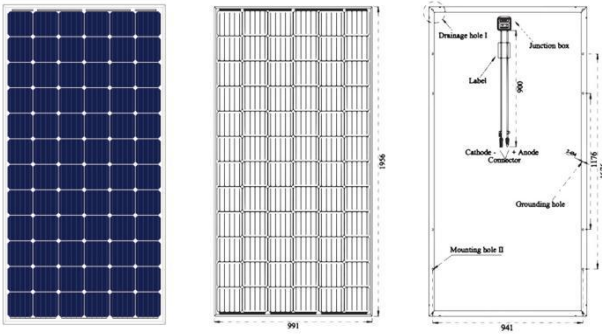
60 Mono solar panels



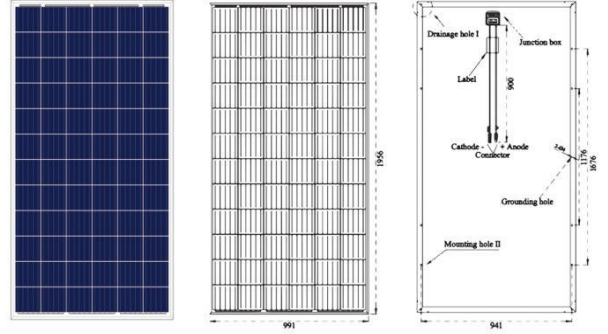
60 Poly solar panels



72 Mono solar panels



72 Poly solar panels



Mechanical Specification	
Cells Type	156.75*156.75
Weight ⁰	18.6Kg
Dimension(L*W*T)	1650*991*35mm
Output Cables	TUV,Length900mm,4.0mm ²
No.of Cells	60(6*10)
Front Glass	3.2mm High Transmission,Low Iron Tempered Glass
Fame	Anodised Aluminium
Junction Box	IP67,3 Bypass Diodes
Connector	MC4 or MC4 Compactible
Packing Configuration	
Container	20GP 40GP 40HC
PCS per pollet	30 30 30
PLT per container	14 28 28
PCS per container	400 840 924
Operating Parameters	
Maximum system voltage	DC1000V
Operating Temperature(° C)	-40~+85°
Maximum series fuse rating	15A
Snow load,frontside	5400Pa
Wind load,backside	2400Pa
Nominal operating cell temperature (NOCT)	45° C±2° C
Application level	Class A

Electrical Characteristics (Standard Test Conditions)				
Module Type	HDM60-270	HDM60-275	HDM60-280	HDM60-285
Maximum Power(Pmax)	270W	275W	280W	285W
Open-circuit Voltage(Voc)	38.5V	38.5V	39V	39.3V
Maximum Power Voltage(Vmp)	31.5V	31.6V	31.7V	31.8V
Short-circuit Current(Isc)	9.17A	9.25A	9.35A	9.45A
Maximum Power Current(Imp)	8.57A	8.70A	8.83A	8.97A
Module Efficiency(%)	16.51%	16.82%	17.13%	17.43%
Power Tolerance	0~+5W			
Temperature Coefficient of Isc	0.05%/° C			
Temperature Coefficient of Voc	-0.32%/° C			
Temperature Coefficient of Pmax	-0.41%/° C			
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25° C, Spectrum AM1.5			
Electrical Characteristics (Noct)				
Module Type	HDM60-270	HDM60-275	HDM60-280	HDM60-285
Maximum Power(Pmax)	202W	205W	209W	212W
Open-circuit Voltage(Voc)	35.8V	36.1V	36.3V	36.6V
Maximum Power Voltage(Vmp)	28.9V	29.2V	29.4V	29.6V
Short-circuit Current(Isc)	7.41A	7.48A	7.55A	7.63A
Maximum Power Current(Imp)	6.98A	7.03A	7.10A	7.17A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20 ° C, Spectrum AM1.5, Wind speed 1m/s			



72 Mono solar panels

Mechanical Specification	
Cells Type	156.75*156.75
Weight	22.5Kg
Dimension(L*W*T)	1956*991*40mm
Output Cables	TUV,Length900mm,4.0mm ²
No.of Cells	72(6*12)
Front Glass	3.2mm High Transmission,Low Iron Tempered Glass
Fame	Anodised Aluminium
Junction Box	IP67,3 Bypass Diodes
Connector	MC4 or MC4 Compactible
Packing Configuration	
Container	20GP 40GP 40HC
PCS per pollet	27 27 27
PLT per container	10 24 24
PCS per container	270 648 696
Operating Parameters	
Maximum system voltage	DC1000V
Operating Temperature(° C)	-40~+85°
Maximum series fuse rating	15A
Snow load,frontside	5400Pa
Wind load,backside	2400Pa
Nominal operating cell temperature (NOCT)	45° C±2° C
Application level	Class A



72 Mono solar panels

Electrical Characteristics (Standard Test Conditions)					
Module Type	HDM72-320	HDM72-325	HDM72-330	HDM72-335	HDM72-340
Maximum Power(Pmax)	320W	325W	330W	335W	340W
Open-circuit Voltage(Voc)	45.6V	45.9V	46.1V	46.3V	46.5V
Maximum Power Voltage(Vmp)	37.0V	37.3V	37.6V	37.9V	38.2V
Short-circuit Current(Isc)	9.08A	9.17A	9.26A	9.36A	9.45A
Maximum Power Current(Imp)	8.65A	8.72A	8.78A	8.84A	8.90A
Module Efficiency(%)	16.51%	16.77%	17.02%	17.28%	17.54%
Power Tolerance	0~+5W				
Temperature Coefficient of Isc	0.05%/° C				
Temperature Coefficient of Voc	-0.29%/° C				
Temperature Coefficient of Pmax	-0.39%/° C				
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25° C, Spectrum AM1.5				
Electrical Characteristics (Noct)					
Module Type	HDM72-320	HDM72-325	HDM72-330	HDM72-335	HDM72-340
Maximum Power(Pmax)	240W	243W	246W	250W	253W
Open-circuit Voltage(Voc)	42.6V	42.8V	42.9V	43.1V	43.2V
Maximum Power Voltage(Vmp)	34.7V	34.8V	34.9V	35.1V	35.2V
Short-circuit Current(Isc)	7.37A	7.43A	7.49A	7.56A	7.63A
Maximum Power Current(Imp)	6.92A	6.98A	7.05A	7.12A	7.19A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20 ° C, Spectrum AM1.5, Wind speed 1m/s				



60 Poly solar panels

Mechanical Specification	
Cells Type	Poly 156.75*156.75
Weight	18.6Kg
Dimension(L*W*T)	1650*991*35mm
Output Cables	TUV,Length900mm,4.0mm ²
No.of Cells	60(6*10)
Front Glass	3.2mm High Transmission,Low Iron Tempered Glass
Fame	Anodised Aluminium
Junction Box	IP67,3 Bypass Diodes
Connector	MC4 or MC4 Compactible
Packing Configuration	
Container	20GP 40GP 40HC
PCS per pollet	30 30 30
PLT per container	14 28 28
PCS per container	400 840 924
Operating Parameters	
Maximum system voltage	DC1000V
Operating Temperature(° C)	-40~+85°
Maximum series fuse rating	15A
Snow load,frontside	5400Pa
Wind load,backside	2400Pa
Nominal operating cell temperature (NOCT)	45° C±2° C
Application level	Class A



60 Poly solar panels

Electrical Characteristics (Standard Test Conditions)				
Module Type	HDP60-260w	HDP60-265w	HDP60-270w	HDP60-275w
Maximum Power(Pmax)	260W	265W	270W	275W
Open-circuit Voltage(Voc)	38.1V	38.3V	37.9V	38.5V
Maximum Power Voltage(Vmp)	30.6V	30.8V	30.9V	31.1V
Short-circuit Current(Isc)	9.01A	9.10A	9.22A	9.25A
Maximum Power Current(Imp)	8.50A	8.61A	8.73A	8.84A
Module Efficiency(%)	15.90%	16.21%	16.51%	16.82%
Power Tolerance	0~+5W			
Temperature Coefficient of Isc	0.05%/° C			
Temperature Coefficient of Voc	-0.32%/° C			
Temperature Coefficient of Pmax	-0.41%/° C			
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25° C, Spectrum AM1.5			
Electrical Characteristics (Noct)				
Module Type	HDP60-260	HDP60-265	HDP60-270	HDP60-275
Maximum Power(Pmax)	194W	197W	200W	204W
Open-circuit Voltage(Voc)	35.4V	35.5V	35.6V	35.7V
Maximum Power Voltage(Vmp)	28.5V	28.6V	28.7V	28.9V
Short-circuit Current(Isc)	7.29A	7.35A	7.41A	7.47A
Maximum Power Current(Imp)	6.81A	6.89A	6.97A	7.06A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20 ° C, Spectrum AM1.5, Wind speed 1m/s			



72 Poly solar panels

Mechanical Specification	
Cells Type	Poly 156.75*156.75
Weight	22.5Kg
Dimension(L*W*T)	1956*991*40mm
Output Cables	TUV,Length900mm,4.0mm ²
No.of Cells	72(6*12)
Front Glass	3.2mm High Transmission,Low Iron Tempered Glass
Fame	Anodised Aluminium
Junction Box	IP67,3 Bypass Diodes
Connector	MC4 or MC4 Compactible
Packing Configuration	
Container	20GP 40GP 40HC
PCS per pollet	27 27 27
PLT per container	10 24 24
PCS per container	270 648 696
Operating Parameters	
Maximum system voltage	DC1000V
Operating Temperature(° C)	-40~+85°
Maximum series fuse rating	15A
Snow load,frontside	5400Pa
Wind load,backside	2400Pa
Nominal operating cell temperature (NOCT)	45° C±2° C
Application level	Class A



72 Poly solar panels

Electrical Characteristics (Standard Test Conditions)				
Module Type	HDP72-315	HDP72-320	HDP72-325	HDP72-330
Maximum Power(Pmax)	315W	320W	325W	330W
Open-circuit Voltage(Voc)	45.6V	45.8V	45.9V	46.1V
Maximum Power Voltage(Vmp)	36.9V	37.1V	37.2V	37.3V
Short-circuit Current(Isc)	9.00A	9.10A	9.25A	9.38A
Maximum Power Current(Imp)	8.54A	8.63A	8.76A	8.85A
Module Efficiency(%)	16.25%	16.51%	16.77%	17.02%
Power Tolerance	0~+5W			
Temperature Coefficient of Isc	0.05%/° C			
Temperature Coefficient of Voc	-0.29%/° C			
Temperature Coefficient of Pmax	-0.39%/° C			
Standard Test Environment	Irradiance 1000w/m ² , Cell temperature 25° C, Spectrum AM1.5			
Electrical Characteristics (Noct)				
Module Type	HDP72-315	HDP72-320	HDP72-325	HDP72-330
Maximum Power(Pmax)	234W	238W	242W	246W
Open-circuit Voltage(Voc)	42.4V	42.5V	42.6V	42.7V
Maximum Power Voltage(Vmp)	34.3V	34.4V	34.5V	34.6V
Short-circuit Current(Isc)	7.25A	7.35A	7.47A	7.57A
Maximum Power Current(Imp)	6.82A	6.92A	7.02A	7.11A
Standard Test Environment	Irradiance 800w/m ² , Cell temperature 20° C, Spectrum AM1.5, Wind speed 1m/s			

Case and production equipment

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