



AD150-36S

AD145-36S AD140-36S

AD135-36S



IEC61215.2

IEC61730



Module

ADxxx-36S series is a medium-powered module product ideal for roof top or ground mounted large, medium or small sized off-grid and on-grid solar power systems where long term economics, reliability and environmental issues are of a real concern.

ADxxx-36S have gone through various rigorous in-house reliability tests, i.e., LID under natural sunlight as well as artificial sunlight to guarantee the rated power output.

KEY FEATURES

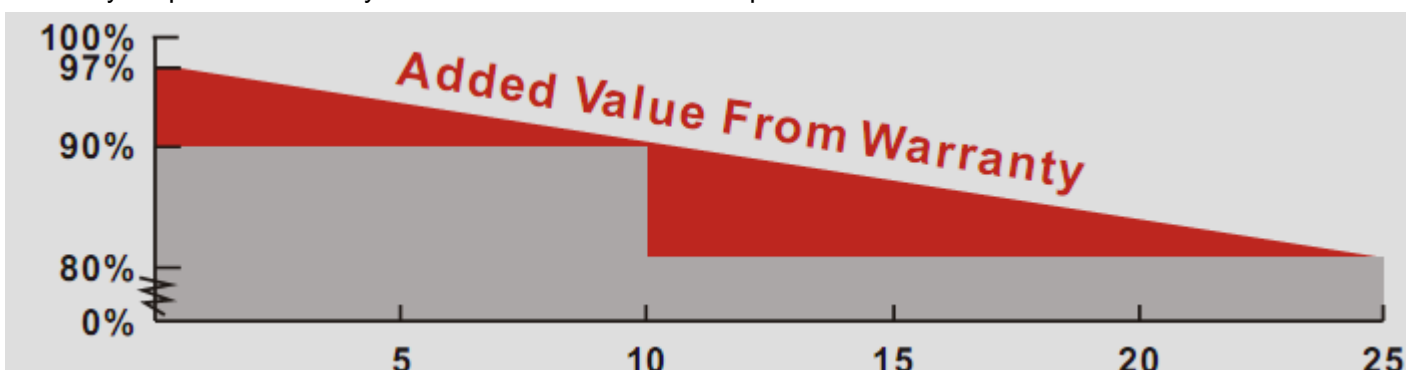
- 36 Mono-Crystalline solar cells
- Unique frame design to reinforce sealing and to prevent freezing and warping
- Strong aluminum frames to strengthen the load hold and to stand against high wind
- Special mounting holes on the frames for long and short side mounting
- High transparency low iron tempered glass with enhanced stiffness and impact resistance
- Advanced EVA encapsulation system with multilayer backsheets to better product modules

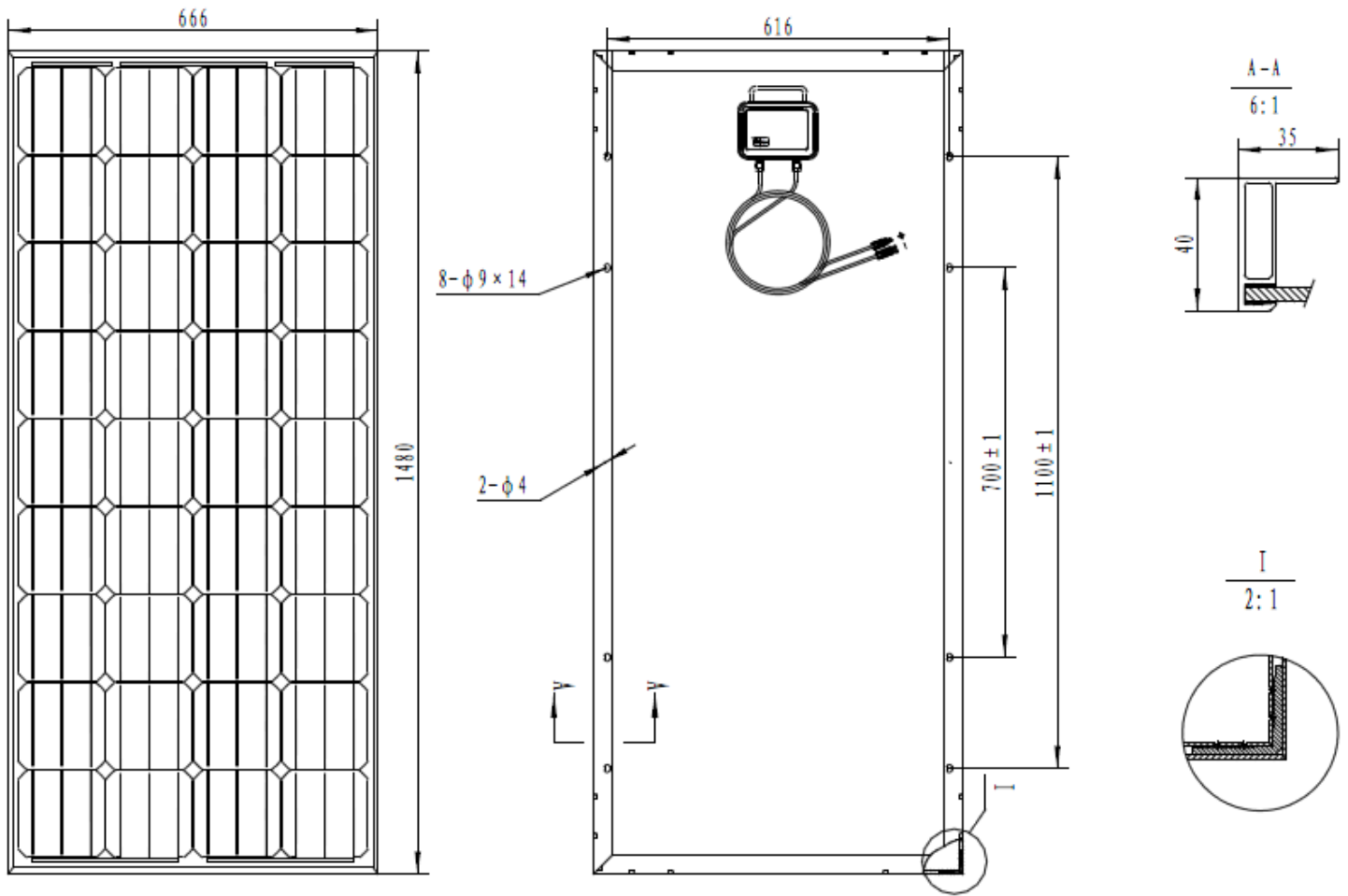
APPLICATIONS

- Large on and off-grid solar power stations
- Commercial/industrial building roof-top systems
- Residential roof-top systems
- Other industrial and commercial applications

LIMITED WARRANTY

- 25 year linear power output warranty
- 15 year product warranty on materials and workmanship





Electrical Characteristics

All specified Parameters are at STC 25°C Ambient, 1000W/ m² irradiance and AM 1.5

Type		AD135-36S	AD140-36S	AD145-36S	AD150-36S
Max-Power	P _m (W)	135	140	145	150
Module Power Range	(W)	140 > P_m ≥ 135	145 > P_m ≥ 140	150 > P_m ≥ 145	P_m ≥ 150
Power Tolerance	(W)	+0~+5	+0~+5	+0~+5	+0~+5
Max-Power Voltage	V _m (V)	18.0	18.1	18.2	18.3
Max-Power Current	I _m (A)	7.52	7.76	7.99	8.22
Open-Circuit Voltage	V _{oc} (V)	22.2	22.3	22.4	22.5
Short-Circuit Current	I _{sc} (A)	8.07	8.28	8.50	8.72
Max-System Voltage	(VDC)	1000V(IEC)			
Cell Efficiency	(%)	15.7	16.3	16.9	17.4
Module Efficiency	(%)	13.7	14.2	14.7	15.2
Max.Series Fuse	(A)	15			
P _m Temperature Coefficients	(%/°C)	-0.5141			
I _{sc} Temperature Coefficients	(%/°C)	0.0814			
V _{oc} Temperature Coefficients	(%/°C)	-0.3910			
NOCT Nominal Operating Cell Temperature		45 ± 2°C			

Maximum load rating:5400Pa(112.78lbf/ft²)

Mechanical Characteristics

Cable type,Diameter and Length	4mm²,TUV certified,900mm
Type of Connector	Compatible with MC4 plug
Number,type and arrangement of cells	36pcs,Mono-Crystalline Silicon(4×9)
Cell Size (mm)	156×156(D200)
Dimension (mm)	1480×666×40
Weight (Kg)	12
Glass,Type and Thickness	High Transmission,Low Iron,Tempered Glass 3.2mm

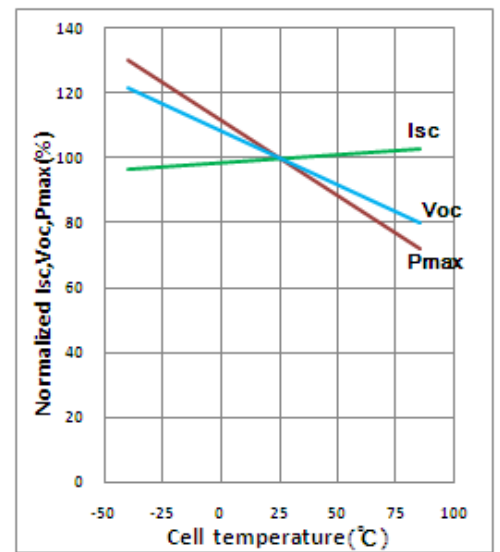
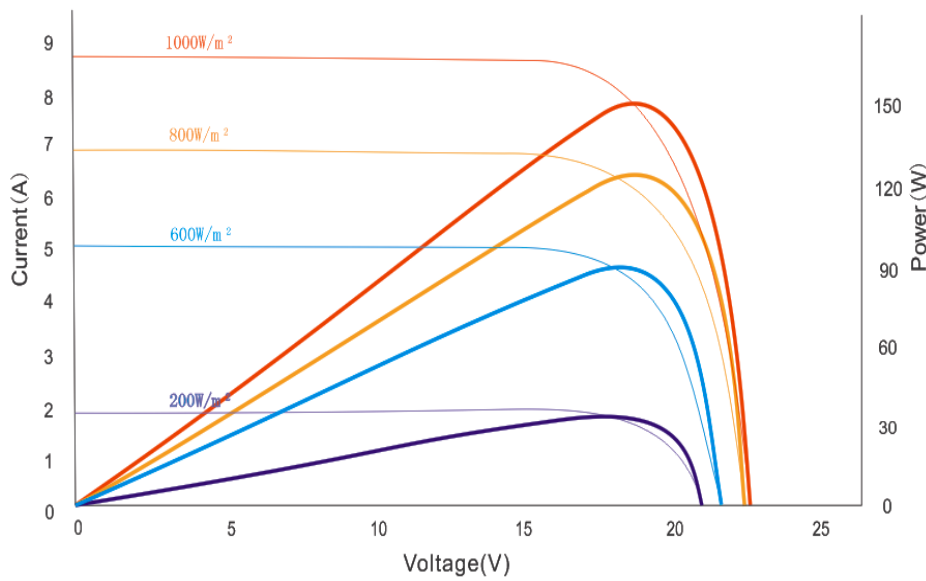
Packaging Configuration

Packing Configuration	24 pcs/box or 2 pcs/box
Quantity/Pallet	56 pcs/pallet
Loading Capacity	840 pcs/40ft

Absolute Ratings

Dielectric Insulation Voltage	3000V
Operating Temperature (°C)	-40~+85
Storage Temperature (°C)	-40~+85

I-V Curves



I-V Curves at different Irradiances (AM1.5 25°C)

Specifications included in this datasheet are subject to change without prior notice

Jiangsu Aiduo PV Technology Co.,Ltd
 Zhoubei Industrial Zone, Zhouzhuang Town, Jiangyin
 City,Jiangsu Province,People's Republic of China
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Tel: +86-510-68823011
 Fax: +86-510-688286681
 E-mail: sales@aiduopv.com
 Web Site: www.aiduopv.com