

Embrace solar future



60<sub>cells</sub>

Monocrystalline  
Module

275-295<sub>W</sub>

Output Range

18.1%

Maximum  
Efficiency

0~+5<sub>W</sub>

Output  
Guarantee

Munich RE



中国平安  
PING AN

Munich RE providing Reinsurance

12<sub>Years</sub>

Product

25<sub>Years</sub>

Power Output

Ideal modules for commercial and residential

ISO9001,ISO14001,OHSAS18001 Standard

JIANGSU AIDUO PHOTOVOLTAIC TECHNOLOGY CO.,LTD.

## Monocrystalline Solar Module

# ECO SHINE-60S

275-295W



PID

PID and snail trails free



Battery

Excellent performance under low irradiance



Weather

Additional environmental tested for salt mist /ammonia/sand,Ensure performance in harsh environment



Shield

Power tolerance 0~+5w  
Guaranteed power output



Cleaning

Additional yield and easy maintenance with high transparent self-cleaning glass



Diamond

2 times EL testing during manufacturing,defect-free modules



Passed TUV Thresher test ensure module's long-term performance and reliability



en.aiduopv.com

+86-510-6882 2555

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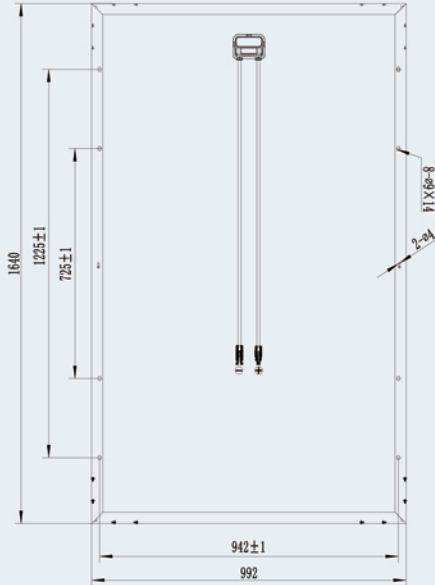
CAUTION:READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

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# Monocrystalline Solar Module

## ECO SHINE-60S



Back View

Electrical Specification (STC)		AD275-60S	AD280-60S	AD285-60S	AD290-60S	AD295-60S
Max.Power	Pm[W]	275	280	285	290	295
Power Tolerance	Pm[W]	0~+5	0~+5	0~+5	0~+5	0~+5
Max.Power Voltage	V[M]	31.7	32.0	32.3	32.6	33.0
Max.Power Current	I[M]	8.68	8.75	8.83	8.90	8.94
Open Circuit Voltage	VOC[V]	38.3	38.6	38.9	39.2	39.6
Short Circuit Current	ISC[A]	9.23	9.30	9.38	9.45	9.49
Module Efficiency	[%]	16.9	17.2	17.5	17.8	18.1

STC : Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

Electrical Data (NOCT)		AD275-60S	AD280-60S	AD285-60S	AD290-60S	AD295-60S
Max.Power	Pm[W]	195	198	202	206	210
Max.Power Voltage	V[M]	28.3	28.5	28.8	28.9	29.1
Max.Power Current	I[M]	7.15	7.23	7.30	7.38	7.45
Open Circuit Voltage	VOC[V]	35.0	35.1	35.3	35.4	35.5
Short Circuit Current	ISC[A]	7.52	7.57	7.63	7.69	7.75

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

### Mechanical Characteristics

Solar Cell Type	156.75x 156.75mm Mono
No. of cells	60 (6 x 10)
Dimensions	1640 x 992 x 35mm
Weight	18.2kg
Frame	Anodized Aluminum Alloy
Junciton Box	IP67 Rated
Cables	4mm <sup>2</sup> , 900mm
Connectors	MC4/MC4 compatible

### Packing Configuration

Modules per pallet	30 piece
Modules per 40' container	840 piece

### Temperature Rating

NOCT	45±2°C
Temp Coefficient of P <sub>max</sub>	-0.42%/°C
Temp Coefficient of V <sub>oc</sub>	-0.31%/°C
Temp Coefficient of I <sub>sc</sub>	0.039%/°C

### Maximum Rating

Operating Temp	-40~+85°C
Max.System Voltage	1000V DC
Max.Series Fuse Rating	15A

PV module: AIDUO, AD285-60S

