

Monocrystalline Solar Module

ECO SHINE-60S

275-295W



60 cells

Monocrystalline Module

275-295W

Output Range

18.1%

Maximum Efficiency

0~+5W

Output Guarantee

Munich RE

Munich RE providing Reinsurance

12 Years

Product

25 Years

Power Output

Ideal modules for commercial and residential

ISO9001, ISO14001, OHSAS18001 Standard

JIANGSU AIDUO PHOTOVOLTAIC TECHNOLOGY CO., LTD.

Customizable 5BB solar module



PID and snail trails free



Excellent performance under low irradiance



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



Power tolerance 0~+5w
Guaranteed power output



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



2 times EL testing during manufacturing, defect-free modules



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



Customizable 5BB solar module

en.aiduopv.com

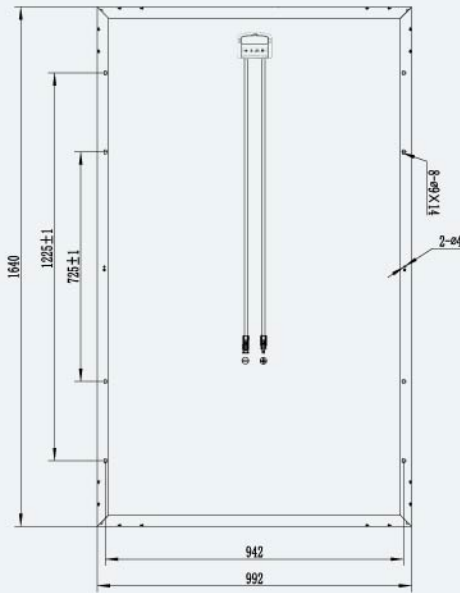
+86-510-6882 2555

© Jiangsu Aiduo Photovoltaic Technology Co., Ltd. All rights reserved specifications incl in this datasheet are subject to change without notice.

CAUTION: READ INSTALLATION MANUAL BEFORE USING THE PRODUCT

Monocrystalline Solar Module

ECO SHINE-60S



Back View

Electrical Specification (STC)		AD275-60S	AD280-60S	AD285-60S	AD290-60S	AD295-60S
Max. Power	P _m (W)	275	280	285	290	295
Power Tolerance	P _m (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	V _{OC} (V)	38.3	38.6	38.9	39.2	39.6
Open Circuit Current	I _{SC} (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/m², Module temperature 25°C, AM=1.5

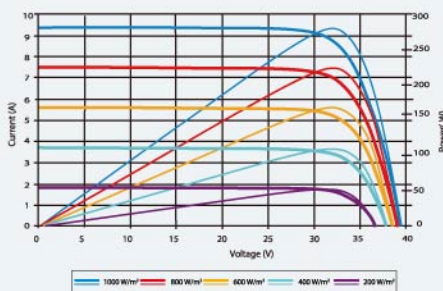
Electrical Data (NOCT)		AD275-60S	AD280-60S	AD285-60S	AD290-60S	AD295-60S
Max. Power	P _m (W)	195	198	202	206	210
Max. Power Voltage	V _M	28.3	28.5	28.8	28.9	29.1
Max. Power Current	I _M	7.15	7.23	7.30	7.38	7.45
Open Circuit Voltage	V _{OC} (V)	35.0	35.1	35.3	35.4	35.5
Short Circuit Current	I _{SC} (A)	7.52	7.57	7.63	7.69	7.75

NOCT: Irradiance 800W/m², Ambient temperature 20°C, AM=1.5, Wind speed 1m/s

Mechanical Characteristics

Solar Cell Type	156×156mm Mono
No. of cells	60 (6×10)
Dimensions	1640×992×35mm
Weight	18.2kg
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated
Cables	4mm ² , 900mm
Connectors	MC4/MC4 compatible

Current-Voltage & Power-Voltage Curves (280W)



Voltage (V)

Packing Configuration

Modules per pallet	26 piece
Modules per 40' container	728 piece

Temperature Rating

NOCT	45±2°C
Temp Coefficient of P _{max}	-0.42%/°C
Temp Coefficient of V _{oc}	-0.31%/°C
Temp Coefficient of I _{sc}	0.039%/°C

Maximum Rating

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