EN156M-72-335/340/345/350W

Monocrystalline Solar Module

72-Cell Series

ABOUT ECONESS ENERGY

Established in 2009 by Jiangsu Huadong Group (founded in 1997),Econess Energy is the world's leading solution provider for solar energy.With annual production capacity of 800 MW cells and 1.2GW modules.Econess Energy now distributes its PV products to over 36 countries with cumulative module shipment of 3 GW.As a strong,bankable partner,we are committed to building strategic,mutually beneficial collaboration with installers and developers.

KEY FEATURES

IP68 junction box
The highest waterproof level

Maximize limited space
Maximum power ouput 350W

Excellent Anti-PID performance
2 times of industry standard
Anti-PID test by TUV (optional)
PID certified to 1100V system voltage

Excellent low light performance
Advanced surface texturing · Back surface field

Lower temperature coefficients
Enhance power generation

Highly reliable due to stringent quality control
In-house testing goes well beyond certification requirements

Certified to withstand the most challenging environmental conditions
2400 Pa wind load · 5400 Pa snow load · 25mm hail stones at 82 km/h

SYSTEM & PRODUCT CERTIFICATES

- IEC 61215 / IEC 61730 / UL 1703
- ISO 9001 : 2015 Quality Management System
- ISO 14001 : 2015 Environment Mangement System
- OHSAS 18001 : 2007 Occupational Health and Safety Management System

QUALITY WARRANTY

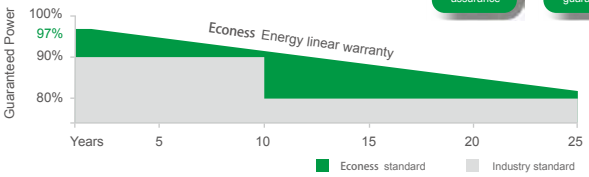
Econess Energy guarantees that defects will not appear in materials and workmanship defined by IEC61215,IEC61730 or UL1703 under normal installation,use and maintenance as specified in Econess Energy's installation manual for 10 years from the warranty starting date.

PERFORMANCE WARRANTY

Monocrystalline Solar Module

10 years — Quality assurance

25 years — Power output guarantee



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ELECTRICAL PARAMETERS

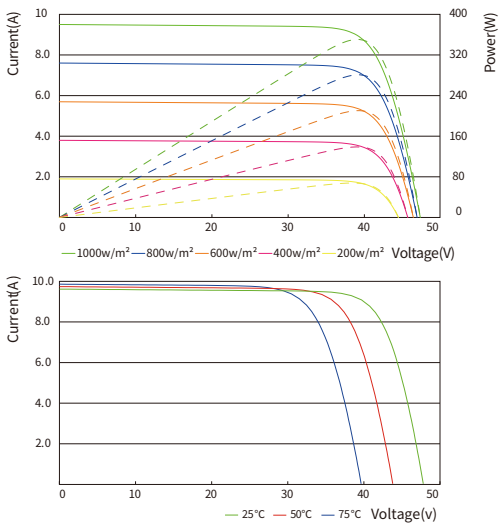
Performance at STC (Power Tolerance 0 - +3%)				
Maximum Power(Pmax/W)	335	340	345	350
Operating Voltage (Vmpp/V)	37.93	38.21	38.51	38.70
Operating Current(Impp/A)	8.84	8.90	8.97	9.05
Open-Circuit Voltage (Voc/V)	46.57	46.80	47.02	47.33
Short-Circuit Current(Isc/A)	9.47	9.50	9.54	9.59
Module Efficiency ηm (%)	17.23	17.49	17.74	18.00
Performance at NMOT				
Maximum Power(Pmax/W)	249	252	255	259
Operating Voltage(Vmpp/V)	35.13	35.30	35.42	35.73
Operating Current(Impp/A)	7.09	7.14	7.21	7.25
Open-Circuit Voltage(Voc/V)	42.99	43.24	43.41	43.77
Short-Circuit Current(Isc/A)	7.59	7.64	7.72	7.75

STC: Irradiance 1000W/m², Cell Temperature 25°C, Air Mass AM1.5 NMOT: Irradiance at 800W/m², Ambient Temperature 20°C, Wind Speed 1m/s

MECHANICAL SPECIFICATION

Cell Type	Mono
Cell Dimensions	6inch
Cell Arrangement	72(6*12)
Weight	22kg(48.5lbs)
Module Dimensions	1960*992*40mm(77.17*39.06*1.57inch)
Cable Length	1200mm(47.24inch)
Cable Cross Section Size	4mm²(0.006sq.in)
Front Glass	3.2mm High Transmission, Tempered Glass
No.of Bypass Diodes	3/6
Packing Configuration (1)	26pcs/Pallet,572pcs/40hq
Packing Configuration (2)	26pcs+4pcs/Pallet, 616pcs/40hq
Frame	Anodized Aluminium Alloy
Junction Box	IP68

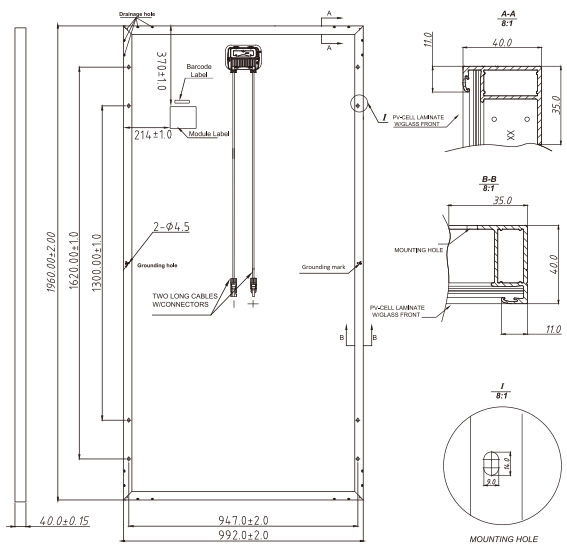
I-V CURVE



OPERATING CONDITIONS

Maximum System Voltage	1500V/DC(IEC)
Operating Temp	-40°C-+85°C
Maximum Series Fuse	15A
Static Loading	5400Pa
Conductivity at Ground	⩽0.1Ω
Safety Class	II
Resistance	⩾100MΩ
Connector	Zhejiang Jiaming Tianheyuan Photovoltaic Technology Co., Ltd. 05-8/PV-JM601A

TECHNICAL DRAWINGS



TEMPERATURE COEFFICIENT

Temperature Coefficient(Pmax)	-0.39%/°C
Temperature Coefficient(Voc)	-0.30%/°C
Temperature Coefficient(Isc)	+0.05%/°C
NMOT	45±2°C

Econess Energy Co., Ltd.

Manufactured in China

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