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# **EnergyPal**

## **Solar Panel Guide Specification Data Sheet**

**AE Solar  
AEXXM6-72 365-385W (AU)  
AE385M6-72**

Also available on the web at  
[EnergyPal.com/ae-solar-solar-panels/ae385m6-72](http://EnergyPal.com/ae-solar-solar-panels/ae385m6-72)

PERC Technology

# AEXXM6-72

AE SOLAR High Efficiency Monocrystalline Solar Module with Perc Technology

## 365-385W



### Higher Module Efficiency

10% more power than standard modules, due to advanced the PERC technology



### More Energy Yield

Better temperature coefficient, helps boost energy yield



### Approved Technology

Approved practice for different operating conditions



### Lower Operation Temperature

Less hot spot heating risk, make the module more reliable

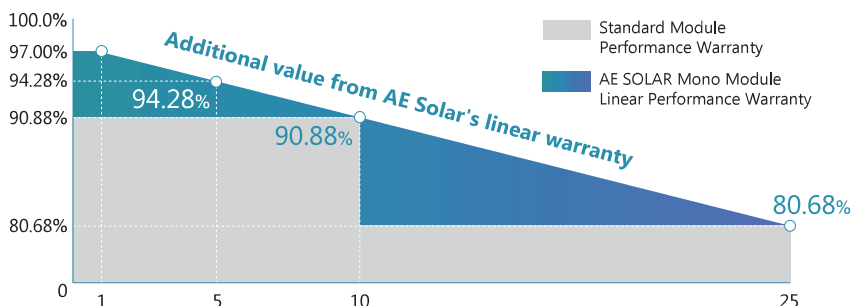


### Aesthetic Design

Uniformity appearance, aesthetic design with black frame option



### LINEAR PERFORMANCE WARRANTY



**12years** Product Material & Workmanship

**25years** Linear Performance Warranty

**PERC Technology**

**AE SOLAR High Efficiency Monocrystalline Solar Module with Perc Technology**

<b>ELECTRICAL DATA @ STC*</b>		AE365M6-72	AE370M6-72	AE375M6-72	AE380M6-72	AE385M6-72
Peak Power (Pmax)	(W)	365	370	375	380	385
Maximum Power Voltage (Vmp)	(V)	39.55	39.83	40.11	40.39	40.66
Maximum Power Current (Imp)	(A)	9.23	9.29	9.35	9.41	9.47
Open-circuit Voltage (Voc)	(V)	47.90	48.17	48.43	48.72	48.99
Short-circuit Current (Isc)	(A)	9.99	10.06	10.13	10.19	10.25
Module Efficiency	(%)	18.83	19.09	19.35	19.60	19.86
Operating Temperature		-40°C~+85°C				
Maximum System Voltage		1000V				
Maximum Series Fuse Rating		15A				
Application Class		Class A				
Power Tolerance		0~+3%				

\*STC (Standard Test Condition): Irradiance 1000W/ m<sup>2</sup>, Module Temperature 25°C, AM 1.5

<b>ELECTRICAL DATA @ NMOT*</b>		AE365M6-72	AE370M6-72	AE375M6-72	AE380M6-72	AE385M6-72
Peak Power (Pmax)	(W)	271	274	278	282	285
MPP Voltage (Vmp)	(V)	36.42	36.68	36.93	37.19	37.69
MPP Current (Imp)	(A)	7.43	7.48	7.53	7.58	7.55
Open Circuit Voltage (Voc)	(V)	45.18	45.44	45.68	45.96	46.26
Short Circuit Current (Isc)	(A)	8.07	8.13	8.18	8.23	8.27

\*Under Nominal Module Operating Temperature (NMOT), Irradiance of 800W/ m<sup>2</sup>, Spectrum AM 1.5, Ambient Temperature 20°C, Wind Speed 1m/s

<b>TEMPERATURE CHARACTERISTICS</b>		
Temperature coefficient of Pmax		-0.40%/°C
Temperature coefficient of Voc		-0.31%/°C
Temperature coefficient of Isc		0.05%/°C
NMOT		42±3°C

<b>MECHANICAL DATA</b>		
Cell Type		Mono-Crystalline, 6" inch
Cell Arrangement		72pcs (6×12)
Dimension (L×W×H)		1956×991×35mm
Weight		21.5kg
Front Cover		3.2mm Tempered Glass
Frame		Anodized Aluminium Alloy
Junction Box		IP67, 3 Bypass Diodes
Cable Type		4mm <sup>2</sup>
Length of Cable		1200mm
Connector		Jiaming:PV-JM601

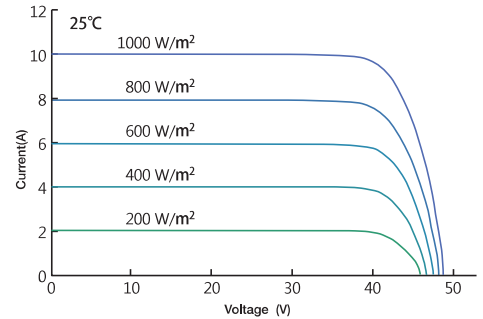
<b>PACKING MANNER</b>		
Packing Type		40HQ
Piece/Pallet		30
Pallet/Container		24
Piece/Container		720

\*The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Due to ongoing innovation, R&D enhancement, AE ALTERNATIVE ENERGY GmbH Reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the most recent version of the datasheet which shall be duly incorporated into the binding contract made by the parties governing all transactions related to the purchase and sale of the products described herein.

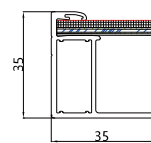
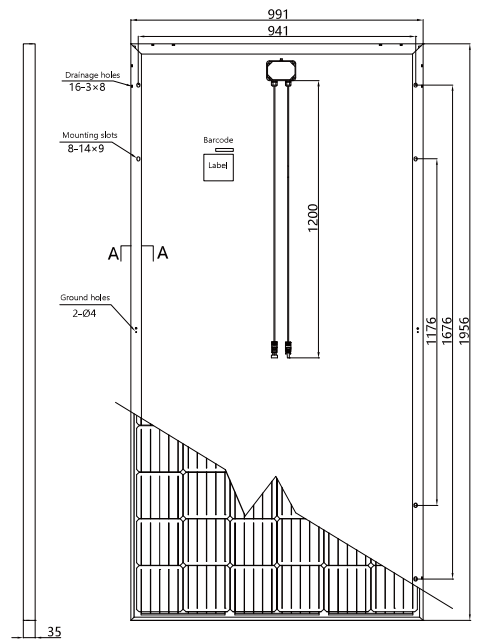
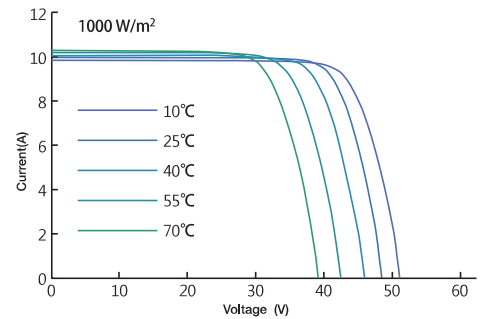
\*Power measurement tolerance: ±3%  
 \*Voc measurement tolerance: ±3%  
 \*Isc measurement tolerance: ±3%

\*Modules Shipped to AU are made in China

**Current-Voltage Curve under different irradiance**



**Current-Voltage Curve under different working temperatures**



Section A-A

Dimension (unit: mm)

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