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EnergyPal

Solar Panel Guide Specification Data Sheet

**AE Solar
AE M5-60_150-175W
AE M5-60 155W**

Also available on the web at
EnergyPal.com/ae-solar-solar-panels/ae-m5-60-155w

AE POWERPLUS MODULE

AE M5-60 Series 150W-175W



ILLUSTRATION ONLY



GERMAN QUALITY

We produce with green energy!

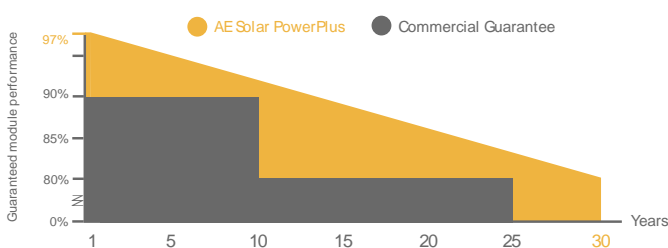


- POWER RANGE**
 Plus-Sorting 0 to + 4,99Wp
- PID RESISTANT**
 Potential Induced Degradation Free
- SALT CORROSION RESISTANT**
 Certified for Salt Rich Environment
- SAND RESISTANT**
 Certified for Sand Rich Environment
- AMMONIA RESISTANT**
 Certified for Ammonia Rich Atmosphere
- HIGHLY STABLE AND TOUGH**
 Maximum Mechanical Load 5400 Pa
- PLUS-SORTING**
 Higher yield due to plus-sorting of 0 to +4.99 Wp guarantees the high system efficiency and yield stability
- CERTIFICATES**
 Lining with International Standards, AE Solar Photovoltaic modules are tested and certified under extreme stress and it can bear harsh environmental influences

GERMAN QUALITY
 AE Solar photovoltaic modules are manufactured using high-quality materials, automated machine, German Technology and Standards

PERFORMANCE GUARANTEE
 AE Solar assures high investment, security and warranty claims by providing linear performance guarantee of 30 years and 12 years of product warranty

OUR PERFORMANCE GUARANTEE



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TECHNICAL DATA

AE M5-60 Series 150W-175W

ELECTRICAL DATA		AE150M5-60	AE155M5-60	AE160M5-60	AE165M5-60	AE170M5-60
Nominal power	Pm (Wp)	150	155	160	165	170
Open circuit voltage	Voc (V)	37.41	37.57	37.74	37.90	38.06
Short-circuit current	Isc (A)	5.19	5.29	5.39	5.49	5.59
Voltage at max power	Vmp (V)	31.23	31.39	31.56	31.72	31.88
Current at max power	Imp (A)	4.80	4.94	5.07	5.20	5.33
Filling Factor	(%)	77.26	77.99	78.66	79.30	79.90
Module Efficiency	(%)	13.96	14.42	14.89	15.35	15.82
System Voltage	(V)	1000				
Temp. coefficient Voc	(%/°C)	-0.36				
Temp. coefficient Isc	(%/°C)	0.06				
Temp. coefficient Pm	(%/°C)	-0.36				
Operating temp.	(°C)	-40 to +85				
NOCT	(°C)	45±2				

The electrical data apply to standard test conditions (STC): Irradiance of 1000 W/m² with spectrum AM 1.5 and a cell temperature of 25°C.

TECHNICAL DATA

Junction box 3 bypass diodes, IP 67

Wire cross section (∅, mm²) 4.0

Cable length (mm) 900

Connector type MC 4 / MC 4 compatible

Dimensions (L x W x H, mm) 1330 x 808 x 35

Weight (kg) 11.7

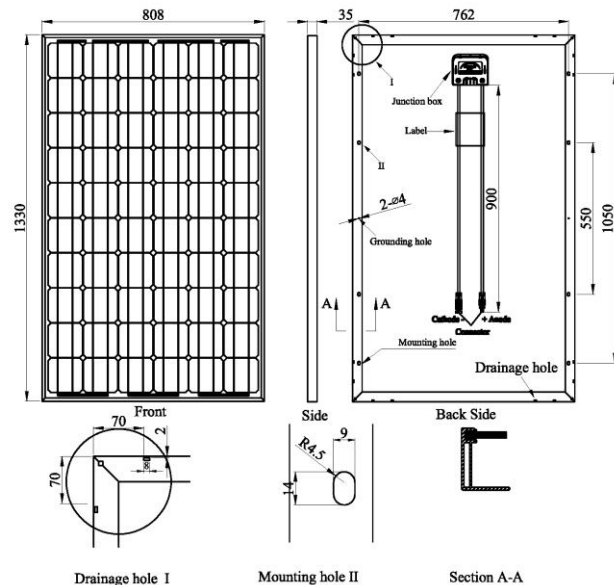
Specification (mm) Mono 125 / 6 x 10

Hail resistance Max. ∅ 28 mm, at 23 m/s

Wind load 2400Pa / 244kg / m²

Mechanical load 5400Pa / 550kg / m²

SCALE



PACKAGING INFORMATION

Packing configuration 70pcs / pallet

Loading Capacity 1120pcs / 40HQ

Size / pallet (mm) 1380 x 1135 x 2325

Weight 905kg / pallet



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