

AE POWERPLUS MODULE

AE P6-60 SERIE 300W-320W-350W



72
CELLS



300W
320W
350W

POWER

Plus-Sorting 0 to +4,99Wp

PID
FREE

PID RESISTANT

Potential Induced Degradation Free



SALT CORROSION RESISTANT

Certified for Salt Rich Environment



SAND RESISTANT

Certified for Salt Rich Environment



AMMONIA RESISTANT

Certified for Ammonia Rich Environment



HIGHLY STABLE AND TOUGH

Plus-Sorting 0 to +5Wp



GERMAN QUALITY

AE Solar photovoltaic modules are manufactured using high-quality material, automated robotic lines, German Technology and Standards.



PLUS-SORTING

Higher yield due to plus-sorting of 0 to +5Wp guarantees the high system efficiency and yield stability.



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.



CERTIFICATES

Lining with International Standards, AE Solar Photovoltaic modules are tested and certified under extreme stress and they can bear harsh environmental influences.



AE SOLAR

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ELECTRICAL DATA

AE300P6-72 | **AE320P6-72** | **AE350P6-72**

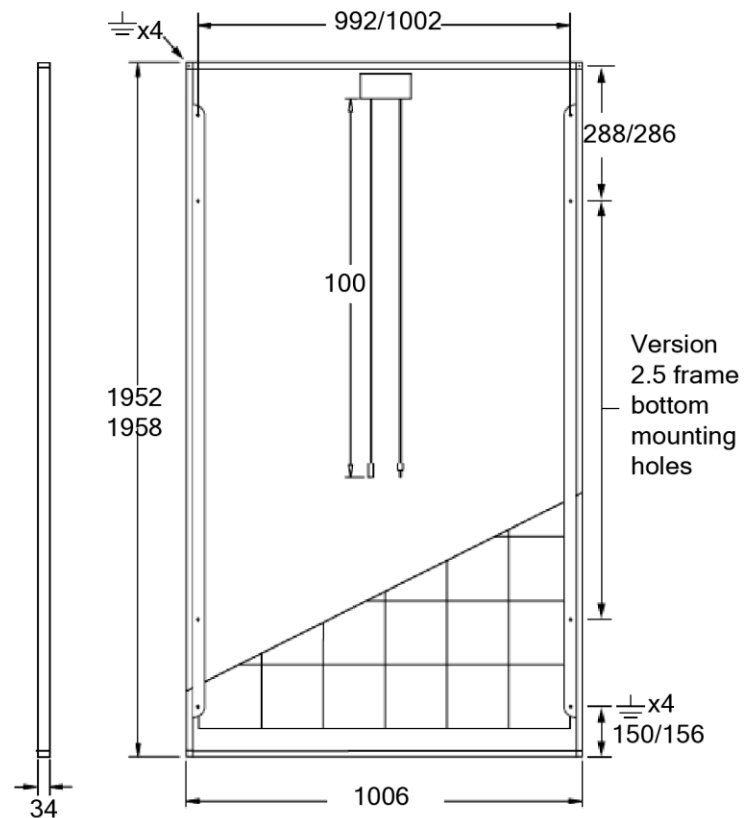
		AE300P6-72	AE320P6-72	AE350P6-72
Nominal Power	Pm (Wp)	300	320	350
Open circuit voltage	Voc (V)	45.21	45.72	46.31
Short-circuit current	9.05	9.05	9.17	9.53
Voltage at max power	Vmp (V)	36.48	36.75	36.92
Current at max power	Imp (A)	8.28	8.71	9.11
Module Efficiency	(%)	15.7	16.49	17.16
Filling Factor	(%)		- 0 / +5	
System voltage	(V)		1000	
Temp. Coefficient Voc	(%/°C)		-0.31	
Temp. Coefficient Isc	(%/°C)		0.06	
Temp. Coefficient Pm	(%/°C)		-0.4	
Operating temp.	(°C)		-40 to +85	
NOCT	(°C)		45±2	

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

MATERIAL CHARACTERISTICS

Cell type	Poly -crystalline 156x156
No. Of Cells	72 (6x12)
Dimensions	1956x992x40mm
Weight	23/25Kg
Junction box	IP 67 rated
Output cable	1x4.0mm ² , 900mmlenght or customised
Connector type	MC 4 / MC4 compatible
Hail resistance	Max. Ø 28 mm, at 23m/s
Wind load	2400 Pa / 244kg/m ²
Mechanical load	5400 Pa / 550kg/m ²

SCALE



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



IEC 61215
IEC 61730
PERIODICAL
INCEPTION



PID RESISTANT
SALT MIST RESISTANT
SAND RESISTANT
CORROSIVE GAS (NH₃)

CEC CE



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