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SALT CORROSION RESISTANT

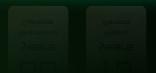




HIGHERERGY YIELD RELIABILITY DURABILITY







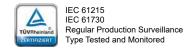
MONO-CRYSTALLINE PV MODULES
HALF-CUT CELLS • BIFACIAL • DOUBLE-GLASS

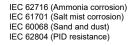
395W-415WAE MD-108BD Series

















MONO-CRYSTALLINE PV MODULES HALF-CUT CELLS • BIFACIAL • DOUBLE-GLASS

AE MD-108BD Series 395W-415W

Mechanical and design specification

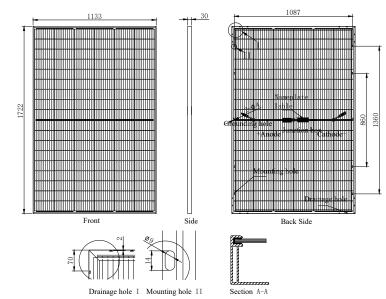
Cell type	Gallium-doped Mono c-Si PERC, Half-cut cells, 182 mm
No. of cells	108
Bifaciality	70±5%
Glass	1.8 mm, high transmission, AR coated, tempered
Encapsulation	POE
Back cover	1.8 mm, high transmission solar glass, tempered
Junction box	IP 68 rated
Frame	30 mm anodized Aluminium alloy
Cable	1 x 4 mm ² , 1200 mm length or customized
Connectors	MC 4 Original
Dimension	1722 mm x 1133 mm x 30 mm
Weight	22.5 kg
Hail resistance	Max. Ø 25 mm at 23 m/s
Wind load	2400 Pa/ 244 kg/ m²
Mechanical load	5400 Pa/ 550 kg/ m²

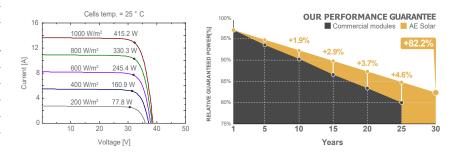


Packaging configuration	72 pcs / double pallet			
Loading capacity	936 pcs / 40 HQ			
Size / Pallet	1755 mm x 1140 mm x 2490 mm			
Weight	1794 kg / double pallets			

Temperature ratings

Operating temperature	(°C)	-40 to +85
Temp.coefficient of P _{max}	(%/°C)	-0.35
Temp.coefficient of Voc	(%/°C)	-0.275
Temp.coefficient of I _{sc}	(%/°C)	0.045
Nom. operating temp. NOCT	(°C)	45 ± 2





Electrical specifications (STC*):		AE395MD-108BD	AE400MD-108BD	AE405MD-108BD	AE410MD-108BD	AE415MD-108BD
Nominal Max. Power	P _{max} (Wp)	395	400	405	410	415
Maximum operating voltage	$V_{MPP}(V)$	31.08	31.35	31.62	31.88	32.12
Maximum operating current	I _{MPP} (A)	12.71	12.76	12.81	12.86	12.92
Open-circuit voltage	V _{oc} (V)	37.36	37.69	38.02	38.35	38.67
Short-circuit current	I _{sc} (A)	13.47	13.52	13.57	13.62	13.67
Module efficiency	η (%)	20.25	20.50	20.76	21.01	21.27
Power tolerance	(W)			0~+5		
Maximum system Voltage	(V)			1500		
Maximum series fuse rating	(A)			25		

^{*}STC: Standard test conditions (Irradiance 1000 W/m², Cell temperature 25°C and air mass of AM1.5)

Electrical specificat	ions (NMOT*):	AE395MD-108BD	AE400MD-108BD	AE405MD-108BD	AE410MD-108BD	AE415MD-108BD
Nominal Max. Power	P _{max} (Wp)	298	301	304	308	311
Maximum operating voltage	V _{MPP} (V)	29.30	29.50	29.70	29.90	30.10
Maximum operating current	I _{MPP} (A)	10.17	10.21	10.25	10.29	10.34
Open-circuit voltage	V _{oc} (V)	35.20	35.40	35.60	35.80	36.00
Short-circuit current	I _{sc} (A)	10.78	10.82	10.86	10.90	10.94

^{*}NMOT: Normal Module Operating Temperature (Irradiance 800 W/m², Ambient temperature 20°C, air mass of AM1.5 and wind speed of 1 m/s)

The specifications and characteristics contained in this datasheet may deviate slightly from our actual products due to the product developments and uncertainty of measurement devices.

The specifications included in the datasheet are subject to change without prior notice.

