

AEG

PHOTOVOLTAIC MODULE AEGSPL/550W



550 Wp
144 MONOCRYSTALLINE HALF-CUT CELLS

AEG solar modules combine the most advanced technology with high reliability in manufacture to offer you a product meant for high achievements.



OPTIMIZED DESIGN
MAXIMUM EFFICIENCY

AEG solar modules with half-cut cells and 10 busbar technology are designed to maximize efficiency and plant performance.



CAREFUL SELECTION,
PREMIUM LOOK

The careful selection of components (cells, backsheet and frames) ensures a premium product look and provides extra aesthetical value.

AEG Solar Modules Adopt anti-PID Technology and Component Packaging Technology, Making it Suitable for High Temperature and High Humidity Areas.

The Glass Technology Used in the Modules Allow High Light Transmission Rate, Low Dust Accumulation and Good Weather Resistance



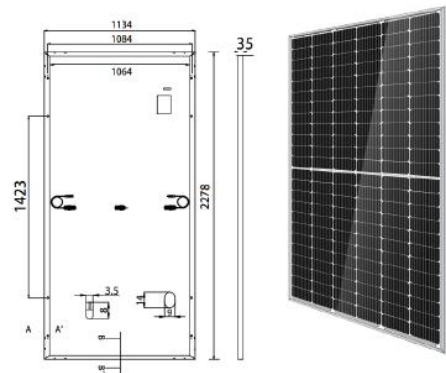
HIGH EFFICIENCY SERIES



PRODUCT Model Number
AEGSPL/550W

ELECTRICAL CHARACTERISTICS AT STC1,2		
Nominal Power (Pmax)	[Wp]	550
Power Sorting	[Wp]	0~+5
Maximum Power Voltage (Vmp)	[V]	41.96
Maximum Power Current (Imp)	[A]	13.11
Open Circuit Voltage (Voc)	[V]	49.9
Short Circuit Current (Isc)	[A]	14.0
Module Efficiency (η_m)	[%]	21.3
Maximum System Voltage	[V]	1500
Series Fuse Maximum Rating	[A]	25

TECHNICAL DRAWINGS



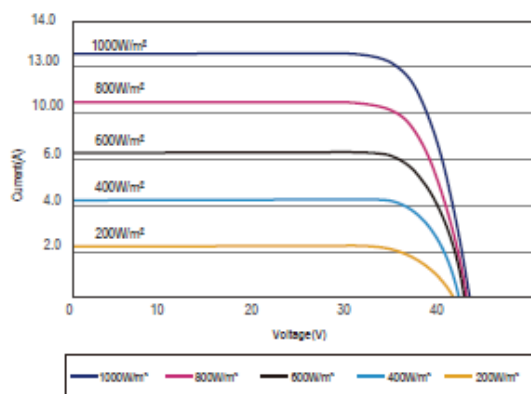
MECHANICAL CHARACTERISTICS		
Solar cells	monocrystalline [pcs]	144
	Dimensions [mm]	182x91
Backsheet	White	
Frame	aluminum alloy	Silver
Junction box	Split-type	IP68
	Diodes	3
Connectors	MC4	compatible
Dimensions	H x L x W [mm]	2278 x 1134 x 35
Weight	[kg]	28.6
Maximum load	Wind / Snow [Pa]	2400 / 5400
Application Class	Class	A

TEMPERATURE CHARACTERISTICS		
NMOT	[°C]	45±2
Power Temp. Coefficient	[%/°C]	-0.387
Voc Temp. Coefficient	[%/°C]	-0.282
Isc Temp. Coefficient	[%/°C]	+0.041
Operating temperature	[°C]	-45~+80

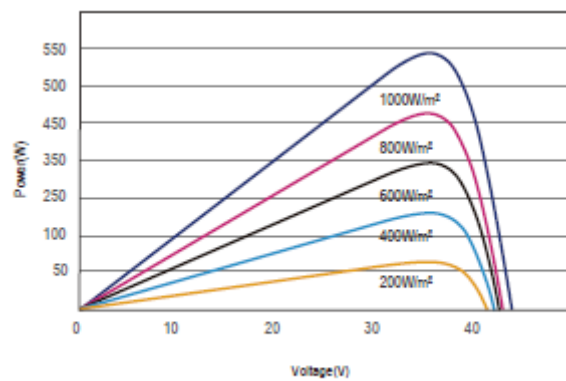
WARRANTY: 12 YEARS		
@90% of Minimal Rated Power	[years]	12
@80% of Minimal Rated Power	[years]	25

PACKAGING		
Packing configuration	[pcs/pallet]	31
Loading capacity	[pcs/4HQcontainer]	620

I-V Curves



I-V Curves



P-V Curves