

Embrace solar future



# GALAXY-120S

## Monocrystalline Solar Module

120<sub>cells</sub>

Monocrystalline  
Module

295-315<sub>W</sub>

Output Range

19.0%

Maximum  
Efficiency

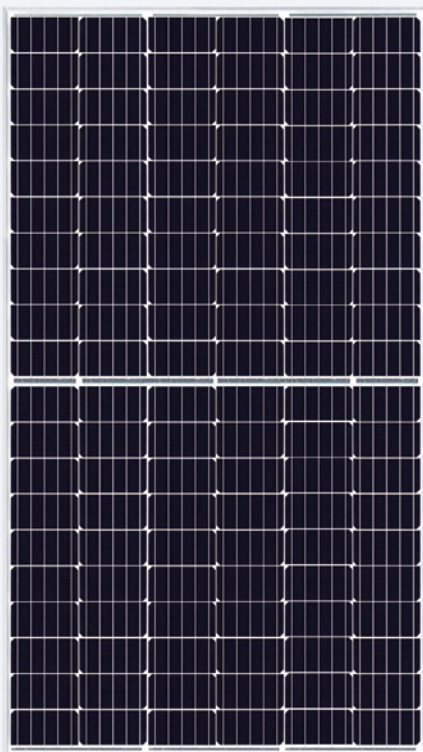
0~+5<sub>W</sub>

Output  
Guarantee



Munich RE providing Reinsurance

ISO9001,ISO14001,OHSAS18001 Standard



PID and snail trails free



Excellent performance under low irradiance



Additional environmental tested for salt mist /ammonia/sand,Ensure performance in harsh environment



Power tolerance 0~+5w  
Guaranteed power output



Additional yield and easy maintenance with high transparent self-cleaning glass



2 times EL testing during manufacturing, defect-free modules



Passed TUV Thresher test ensure module's long-term performance and reliability



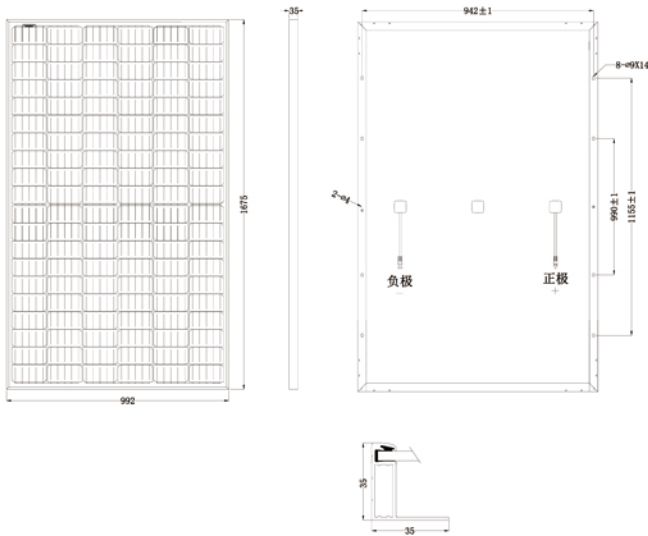
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Munich RE providing Reinsurance

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CAUTION:READ INSTALLATION MANUAL BEFORE USING THE PRODUCT



# GALAXY-120S

## Monocrystalline Solar Module

Electrical Specification (STC)		AD295-E01S-HFP	AD300-E01S-HFP	AD305-E01S-HFP	AD310-E01S-HFP	AD315-E01S-HFP
Max.Power	Pm[W]	295	300	305	310	315
Power Tolerance	Pm[W]	0~+5	0~+5	0~+5	0~+5	0~+5
Max.Power Voltage	V[M]	32.1	32.4	32.7	33	33.3
Max.Power Current	I[M]	9.2	9.26	9.33	9.4	9.47
Open Circuit Voltage	VOC[V]	39.8	39.9	40	40.1	40.3
Short Circuit Current	ISC[A]	9.42	9.55	9.68	9.79	9.89
Module Efficiency	[%]	17.8	18.1	18.4	18.7	19.0

STC : Irradiance 1000W/m<sup>2</sup>, Module temperature 25°C, AM=1.5

Electrical Data (NOCT)		AD295-E01S-HFP	AD300-E01S-HFP	AD305-E01S-HFP	AD310-E01S-HFP	AD315-E01S-HFP
Max.Power	Pm[W]	220.1	223	225.6	229.1	232.6
Max.Power Voltage	V[M]	30.4	30.5	30.5	30.6	30.7
Max.Power Current	I[M]	7.23	7.31	7.4	7.49	7.58
Open Circuit Voltage	VOC[V]	36.5	36.7	36.8	37	37.2
Short Circuit Current	ISC[A]	7.83	7.85	7.87	7.89	7.95

NOCT : Irradiance 800W/m<sup>2</sup>, Ambient temperature 20°C, Wind speed 1m/s

Mechanical Characteristics	
Solar Cell Type	156.75x 78.375mm Mono
No. of cells	120 (10 x 12)
Dimensions	1675 x 992 x 35mm
Weight	18.5kg
Frame	Anodized Aluminum Alloy
Junction Box	IP67 Rated
Cables	4mm <sup>2</sup> , 900mm
Connectors	MC4/MC4 compatible

Temperature Rating	
NOCT	44±2°C
Temp Coefficient of P <sub>max</sub>	-0.39%/°C
Temp Coefficient of V <sub>oc</sub>	-0.29%/°C
Temp Coefficient of I <sub>sc</sub>	0.050%/°C

Maximum Rating	
Operating Temp	-40~+85°C
Max.System Voltage	1000V DC
Max.Series Fuse Rating	15A

Packing Configuration	
Modules per pallet	30 piece
Modules per 40' container	780 piece

