

MONO-FACIAL MODULE

AL6-560~580N-E3

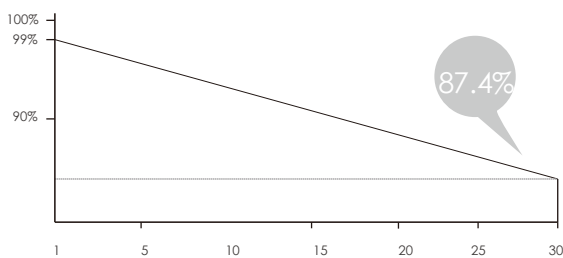
N-Type / Positive power tolerance of 0~+3%/Max module efficiency 22.45%

- Suitable for ground power plants and distributed projects
- Advanced module technology delivers superior module efficiency
 - Gallium-doped Wafer · Non destructive cutting · MBB half-cut
- Excellent power generation performance
 - Excellent IAM and Weak light response · Low temperature ratings
 - 0.40% linear Power decline
- High module quality ensures long-term reliability
 - Strict selected material · Advanced technology · Leading standard
- Ultra-hydrophilic self-cleaning coating techniques



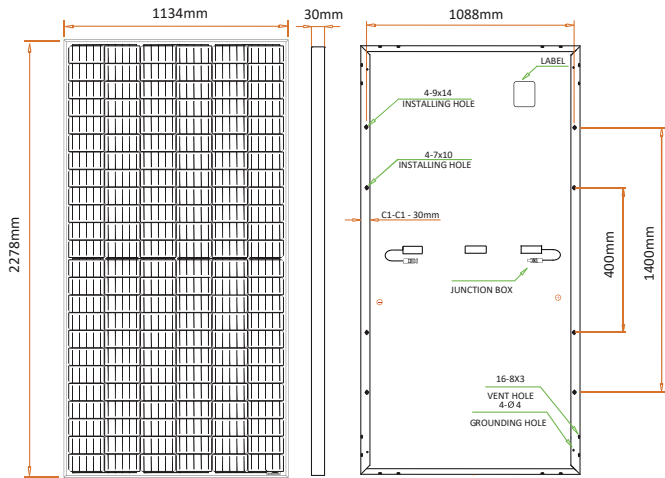
Complete System and IEC Product Certification

IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System

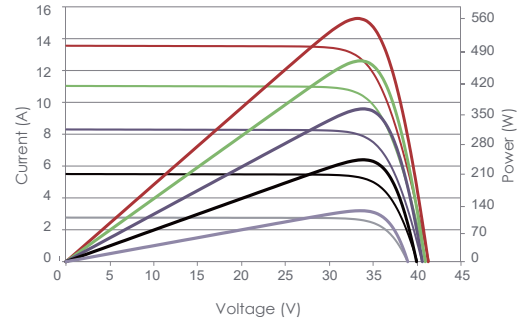


30-Year excess linear power output warranty

AL6-560~580N-E3 MONO-FACIAL MODULE



Drawing Only for Reference



Electrical Characteristics STC	AL6-560N-E3	AL6-565N-E3	AL6-570N-E3	AL6-575N-E3	AL6-580N-E3
Maximum Power (Pmax)	560W	565W	570W	575W	580W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	21.68%	21.87%	22.07%	22.26%	22.45%
Maximum Power Current (Imp)	13.41A	13.48A	13.55A	13.62A	13.69A
Maximum Power Voltage (Vmp)	41.77V	41.92V	42.07V	42.22V	42.37V
Short Circuit Current (Isc)	14.15A	14.23A	14.31A	14.39A	14.47A
Open Circuit Voltage (Voc)	50.47V	50.60V	50.74V	50.88V	51.02V

Values at Standard Test Conditions STC(AM1.5, Irradiance 1000W/m², Cell Temperature 25°C)

Electrical Characteristics NMOT	AL6-560N-E3	AL6-565N-E3	AL6-570N-E3	AL6-575N-E3	AL6-580N-E3
Maximum Power (Pmax)	421W	425W	429W	432W	436W
Maximum Power Current (Imp)	10.73A	10.79A	10.85A	10.92A	10.99A
Maximum Power Voltage (Vmp)	39.25V	39.38V	39.51V	39.60V	39.69V
Short Circuit Current (Isc)	11.42A	11.49A	11.55A	11.62A	11.68A
Open Circuit Voltage (Voc)	47.94V	48.06V	48.20V	48.33V	48.46V

NMOT(Nominal module operating temperature) , Irradiance of 800W/m², AM1.5, Ambient Temperature 20 °C, wind Speed 1m/s.

Mechanical Characteristics

Cell Type	MonoN-Type,182×182(±1)mm,144(6×24)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	2278×1134×30mm
Output Cable	4 mm ² (EU),300 mm,length can be customized
Weight	28kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	20
Pieces per Container	720

Characteristics

Temperature Coefficient of Voc	-0.25%/°C
Temperature Coefficient of Isc	0.046%/°C
Temperature Coefficient of Pmax	-0.30%/°C
Nominal Operating Cell Temperature (NOCT)	45±2°C

Remark:Electrical data in this catalog do not refer to a single module and they are not part of the offer.They only serve for comparison among different module types.

Maximum Ratings

Operating Temperature	-40°C~+85°C
Maximum System Voltage	1500VDC
Maximum Series Fuse Rating	30A

