

MONO-FACIAL MODULE

AL41-395~410MX-E3

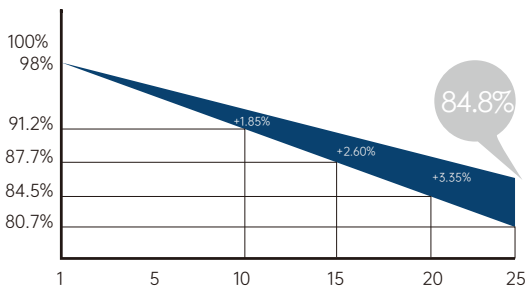
P-Type /Positive power tolerance of 0~+3%/Max module efficiency 21.00%

- 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
 - 0.55% 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

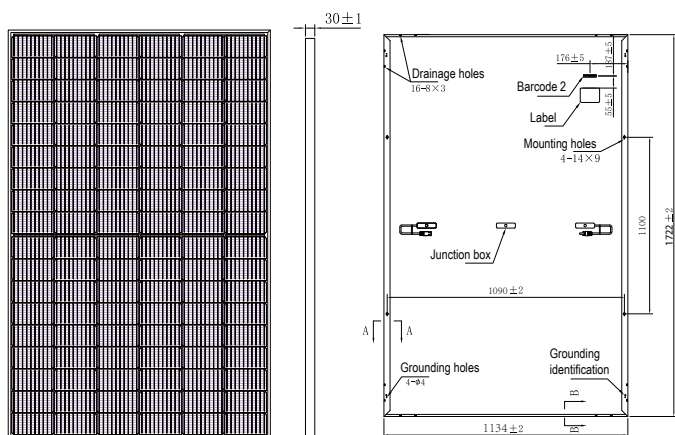
IEC 61215(2016), IEC 61730(2016) ISO9001:
2015:Quality Management System ISO14001:
2015:Environment Management System
ISO45001:2018:Occupational Health
and Safety Management System



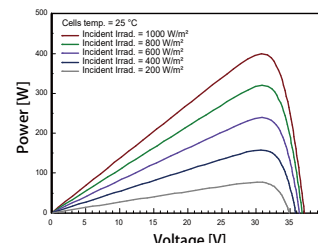
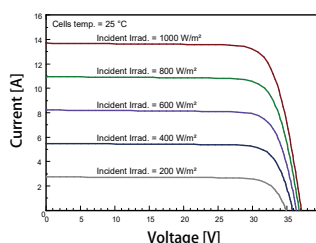
25-Year excess linear power output warranty

AL41-395~410MX-E3

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Drawing Only for Reference



Electrical Characteristics STC	AL41-395MX-E3	AL41-400MX-E3	AL41-405MX-E3	AL41-410MX-E3
Maximum Power (Pmax)	395W	400W	405W	410W
Power Tolerance	0~+5W	0~+5W	0~+5W	0~+5W
Module Efficiency	20.23%	20.48%	20.74%	21.00%
Maximum Power Current (Imp)	12.70A	12.78A	12.86A	12.93A
Maximum Power Voltage (Vmp)	31.10V	31.30V	31.50V	31.70V
Short Circuit Current (Isc)	13.53A	13.63A	13.73A	13.82A
Open Circuit Voltage (Voc)	37.30V	37.50V	37.70V	37.90V

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

Electrical Characteristics NMOT	AL41-395MX-E3	AL41-400MX-E3	AL41-405MX-E3	AL41-410MX-E3
Maximum Power (Pmax)	295.2W	298.9W	302.6W	306.4W
Maximum Power Current (Imp)	10.21A	10.26A	10.33A	10.40A
Maximum Power Voltage (Vmp)	28.92V	29.11V	29.30V	29.48V
Short Circuit Current (Isc)	10.92A	11.00A	11.08A	11.15A
Open Circuit Voltage (Voc)	34.82V	35.01V	35.20V	35.38V

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

Mechanical Characteristics

Cell Type	MonoP-Type,182x182(±1)mm,108(6x18)Half-Cut cells
Glass	3.2mm,High Transmission,Low Iron,Tempered Glass
Frame	Anodized Aluminum Alloy
Junction Box	IP68 Rated, With Bypass Diodes
Dimension	1722x1134x30mm
Output Cable	4 mm2 (EU),300 mm,length can be customized
Weight	22kg
Installation Hole Location	See Drawing Above

Packing Information

Container	40' HQ
Pallets per Container	26
Pieces per Container	936

Characteristics

Temperature Coefficient of Voc	-0.27%/°C
Temperature Coefficient of Isc	+0.04%/°C
Temperature Coefficient of Pmax	-0.35%/°C
Nominal Operating Cell Temperature (NOCT)	45°C±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	25A

