

Harvest the Sunshine

465W



0272243

Black Frame
n-type Double Glass Monofacial Modules

Premium Cells

n-
Bycium+
16BB


MBB Half-Cell
Technology


26%


Up To


Cell Conversion
Efficiency

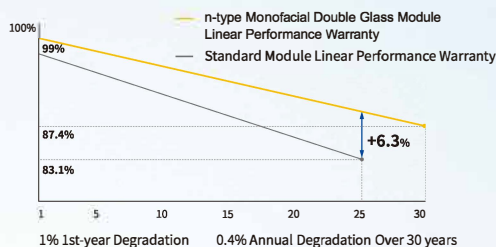
Premium Modules

 Higher power generation better LCOE


 n-type with very Lower LID

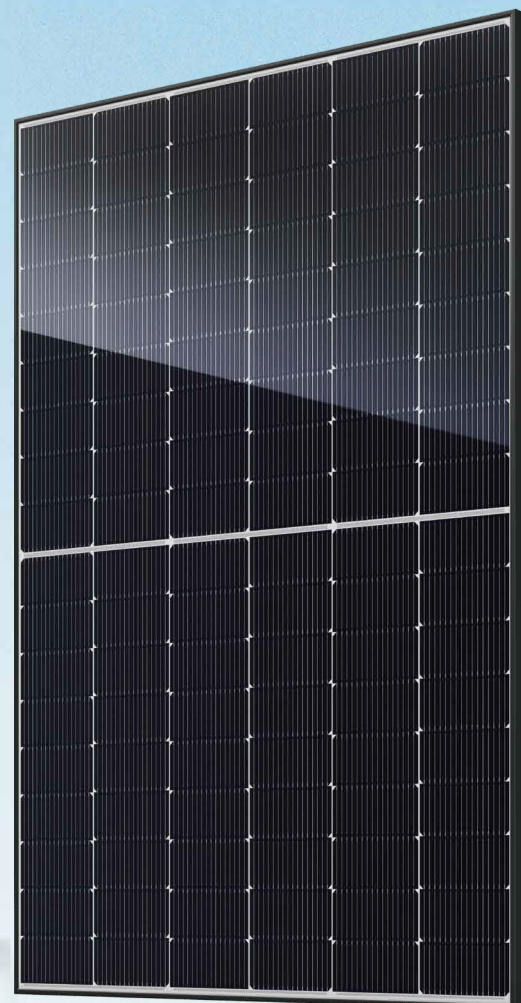
 Better Temperature Coefficient

 Better low irradiance response



 25-year product warranty

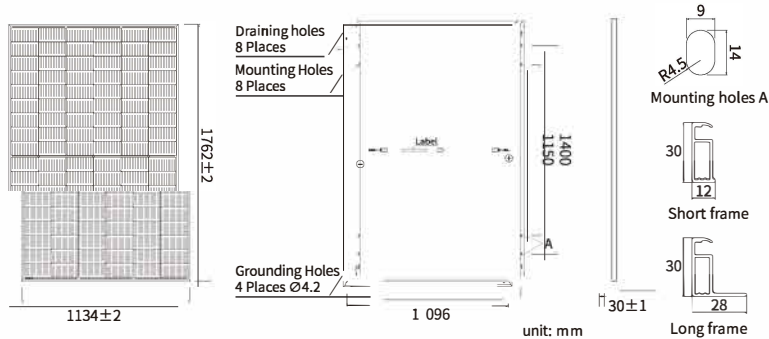
 30-year linear power output warranty



Comprehensive Certificates

- IEC 61215, IEC 61730
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules - Quality system for PV module manufacturing

0272243 n-type Double Glass Monofacial Modules



MECHANICAL PARAMETERS

Cell	Mono
Weight	22kg
Dimensions	1762±2mm × 1134±2mm × 30±1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG(UL)
No. of cells	108(6×18)
Junction Box	IP68, 3diodes
Connector	QC 4.10-351/ MC4-EVO2A
Cable Length (Including Connector)	Portrait: 300mm(+)/400mm(-) Landscape: 1200mm(+)/1200mm(-)
Front Glass/Back Glass	1.6mm/1.6mm
Packaging Configuration	36pcs/Pallet, 936pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

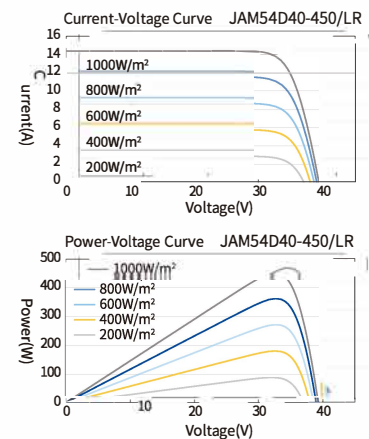
TYPE	0272243
Rated Maximum Power(Pmax) [W]	465
Open Circuit Voltage (Voc) [V]	40.20
Maximum Power Voltage(Vmp) [V]	33.50
Short Circuit Current(Isc) [A]	14.65
Maximum Power Current(Imp) [A]	13.88
Module Efficiency [%]	23.3
Power Tolerance	0~+3%
Temperature Coefficient of Isc(α _{Isc})	+0.045%/°C
Temperature Coefficient of Voc (β _{Voc})	-0.250%/°C
Temperature Coefficient of Pmax(γ _{Pmp})	-0.290%/°C
STC	Irradiance 1000W/m ² , cell temperature 25°C, AM1.5G

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.

ELECTRICAL PARAMETERS AT NOCT

TYPE	
Rated Max Power(Pmax) [W]	352
Open Circuit Voltage(Voc) [V]	38.04
Max Power Voltage(Vmp) [V]	31.68
Short Circuit Current(Isc) [A]	11.72
Max Power Current(Imp) [A]	11.11
NOCT	Irradiance 800W/m ² , ambient temperature 20°C, wind speed 1m/s, AM1.5G

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature	-40°C~+85°C
Maximum Series Fuse Rating	25A
Maximum Static Load, Front	5400Pa(112 lb/ft ²)
Maximum Static Load, Back	2400Pa(50 lb/ft ²)
NOCT	45±2°C
Safety Class	Class II
Fire Performance	UL Type 38/Class C