

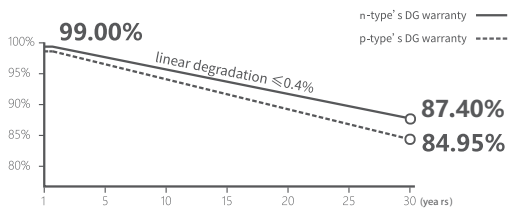
ALPHA N5 Bi-Facial Series

700~710W

Warranty

12 12-year Product Warranty

30 30-year Linear Power Warranty



Key Features

- TOPCon / Half-cut
- Low temperature coefficient (Pmpp)
- Non-destructive cutting
- PID resistance
- Low BOS cost & LCOE
- Bifacial gain



700~710W

POWER RANGE

0~+5W

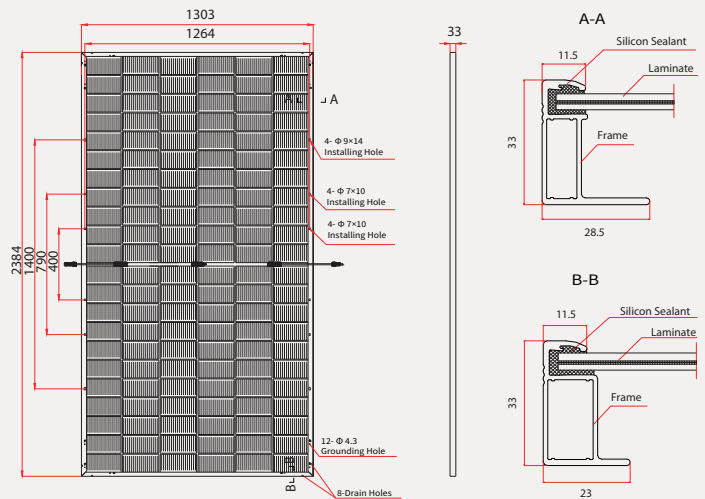
POWER SORTING

22.86%MAX MODULE
EFFICIENCY**≤ 1.0%**FIRST YEAR
POWER DEGRADATION**≤ 0.4%**YEAR 2-30
POWER DEGRADATION

Mechanical Specifications

Cell Type	182*91 N-Type Bi-Facial Mono
No.of Cells	132cells (Half-Cell)
Dimensions	2384×1303×33mm
Weight	38.3kg
Front Glass	2.0mm AR coating tempered glass
Back Glass	2.0mm Glazed glass
Frame	Anodized Aluminium Alloy
Junction box	IP68 3diodes
Output cables	4mm ² , symmetrical lengths 1300mm
MaxWind Load/Snow Load	2400Pa /5400Pa
Weight of packing unit (for 40'HQ container)	1215 kg
Modules per 40' HQ container	594 pcs

① Refer to crystalline installation manual or contact technical department.
Maximum Mechanical Test Load=1.5×Maximum Mechanical Design Load.



Electrical Specifications

STC: Irradiance 1000W/m², Cell Temperature 25° C, AM=1.5

Peak Power(Pmax)	700.00	705.00	710.00
Maximum Power Voltage(Vmp)	40.51	40.69	40.88
Maximum Power Current(Imp)	17.28	17.33	17.37
Open Circuit Voltage(Voc)	48.27 ± 3%	48.46 ± 3%	48.65 ± 3%
Short Circuit Current(Isc)	18.32 ± 3%	18.36 ± 3%	18.40 ± 3%
Module Efficiency(%)	22.53	22.70	22.86

NMOT: Irradiance 800W/m², Ambient Temperature 20° C, AM=1.5, Wind Speed 1m/s

Peak Power(Pmax)	421.00	425.00	429.00	433.00	437.00
Maximum Power Voltage(Vmp)	39.25	39.38	39.51	39.64	39.77
Maximum Power Current(Imp)	10.73	10.79	10.85	10.91	10.97
Open Circuit Voltage(Voc)	47.94 ± 3%	48.06 ± 3%	48.20 ± 3%	48.32 ± 3%	48.46 ± 3%
Short Circuit Current(Isc)	11.42 ± 3%	11.49 ± 3%	11.55 ± 3%	11.61 ± 3%	11.68 ± 3%

Electrical Specifications (Integrated power)

Pmpp gain	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%	5%	10%
Pmpp / Wp	730	765	735	770	740	776	746	781	751	787	756	792
Vmpp / V	40.3	40.3	40.5	40.5	40.7	40.7	40.9	40.9	41.1	41.1	41.3	41.3
Imp / A	18.11	18.98	18.15	19.02	18.20	19.06	18.23	19.10	18.27	19.14	18.31	19.18
Voc / V	48.3	48.3	48.6	48.6	48.8	48.8	49.0	49.0	49.2	49.2	49.4	49.4
Isc / A	19.19	20.11	19.24	20.15	19.28	20.20	19.32	20.24	19.36	20.28	19.41	20.34

Electrical characteristics with different rear power gain (reference to 705W)

Temperature Ratings (STC)

Temperature Coefficient of P _{MAX}	- 0.29%/°C	No. of diodes	3
Temperature Coefficient of V _{OC}	- 0.24%/°C	Junction box IP rating	IP 68
Temperature Coefficient of I _{SC}	0.04%/°C	Max. series fuse rating	30 A
NOCT (Nominal Operating Cell Temperature)	43°C (±2°C)	Max. system voltage (IEC/UL)	1500V _{DC}

Operating Parameters

Curve

