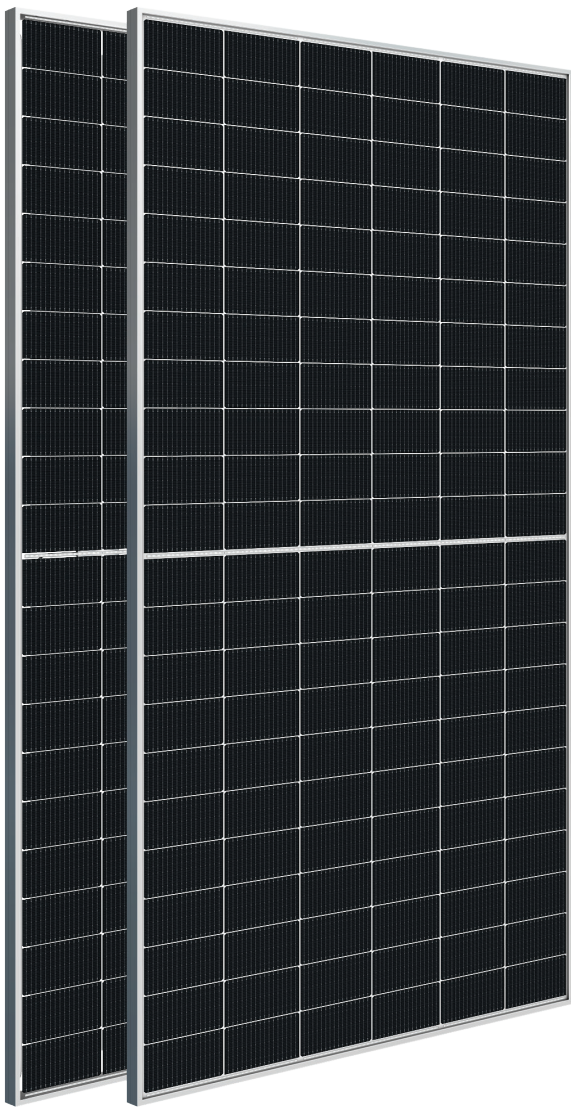




ABU-N66HR-DG

Bifacial Series

605~630W



SMBB Design

Half-cut cells brings lower cell connection loss and lower thermal coefficients to ensures higher power output



Excellent Low-light Performance

Advanced solar cell surface texturing technology allows for excellent performance in low-light environments



Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load



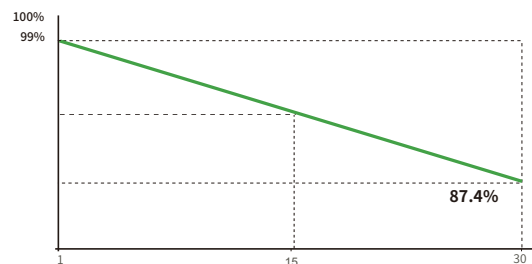
Highly Strengthened Design

Certified to withstand: 5400Pa snow load and 2400Pa wind load

Warranty

15 15-year Product Warranty

30 30-year Linear Power Warranty

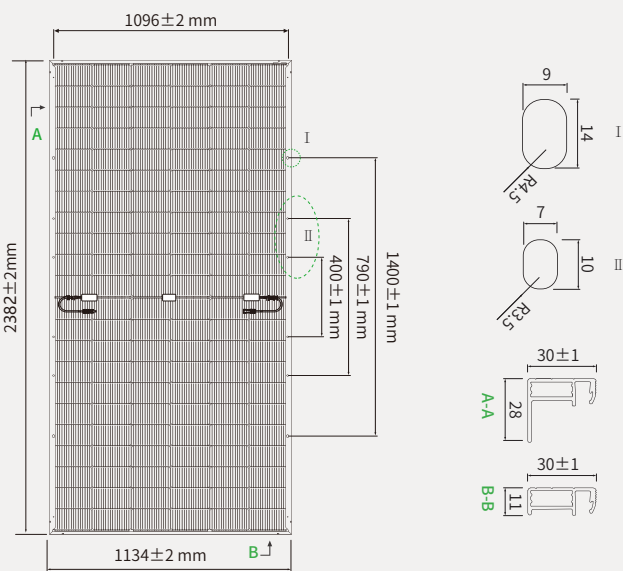


ISO9001:2015: Quality Management System
ISO14001:2015: Environmental Management System
ISO45001:2018: Occupational Health and Safety Management System

ABU-N66HR-DG 605~630W

Mechanical Specifications

Outer dimensions (L x W x H)	2382 x 1134 x 30 mm
Cell type	n-type mono-crystalline
No. of cells	132
Frame	Aluminum, silver anodized
Front / Back glass	2.0+2.0 mm
Junction box	IP68 (Three junction boxes)
Cable specification	+ 300 mm, - 300 mm(4.0mm ²); Customized length
Maximum mechanical test load	5400 Pa (front) / 2400 Pa (back)
Module weight	32.5kg
Packing unit	36 pcs / box
Weight of packing unit (for 40'HQ container)	1200 kg
Modules per 40' HQ container	720 pcs (Subject to sales contract)



Electrical Specifications (STC)

Rated output (P _{mpp} / Wp)	605	610	615	620	625	630
Rated voltage (V _{mpp} / V)	40.55	40.70	40.84	40.98	41.12	41.26
Rated current (I _{mpp} / A)	14.92	14.99	15.06	15.13	15.20	15.27
Open circuit voltage (V _{oc} / V)	48.28	48.44	48.63	48.77	48.94	49.05
Short circuit current (I _{sc} / A)	15.86	15.91	15.96	16.02	16.08	16.14
Module efficiency	22.4%	22.6%	22.8%	23.0%	23.2%	23.3%
Output power tolerance	0 ~ + 3%					
Temperature coefficient (P _{mpp})	-0.29%/°C					
Temperature coefficient (V _{oc})	-0.25%/°C					
Temperature coefficient (I _{sc})	+0.045%/°C					

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

Electrical Specifications (BNPI)

Rated output (P _{mpp} / Wp)	670	675	680	685	690	698
Rated voltage (V _{mpp} / V)	41.36	41.47	41.60	41.70	41.82	42.10
Rated current (I _{mpp} / A)	16.20	16.28	16.35	16.43	16.50	16.58
Open circuit voltage (V _{oc} / V)	49.23	49.35	49.51	49.61	49.75	50.03
Short circuit current (I _{sc} / A)	17.22	17.28	17.33	17.40	17.46	17.53

BNPI: Irradiance: front 1000W/m², rear 135W/m², Cell Temperature 25° C, AM=1.5

Application Requirements

Operating Temperature	-40°C ~ +85°C
Max. system voltage (IEC/UL)	1500V _{DC}
Max. series fuse rating	30A
Double-sided coefficient	φV _{oc} : 98 ± 5 %, φI _{sc} : 80 ± 5 %, φP _{max} : 80 ± 5 %

Curve

