



740W

NPV740W

NPV Type Double Glass Bifacial Modules

Premium Cells

NPV Type
18BB

MBB
Half-Cell
Technology

Premium Modules



Superior energy yield for lower LCOE



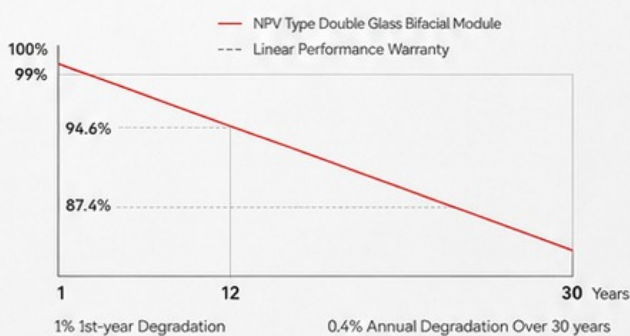
High-efficiency with advanced NPV Type cell technology



Higher power output with High-density module design



Excellent reliability, certified by authoritative institutions



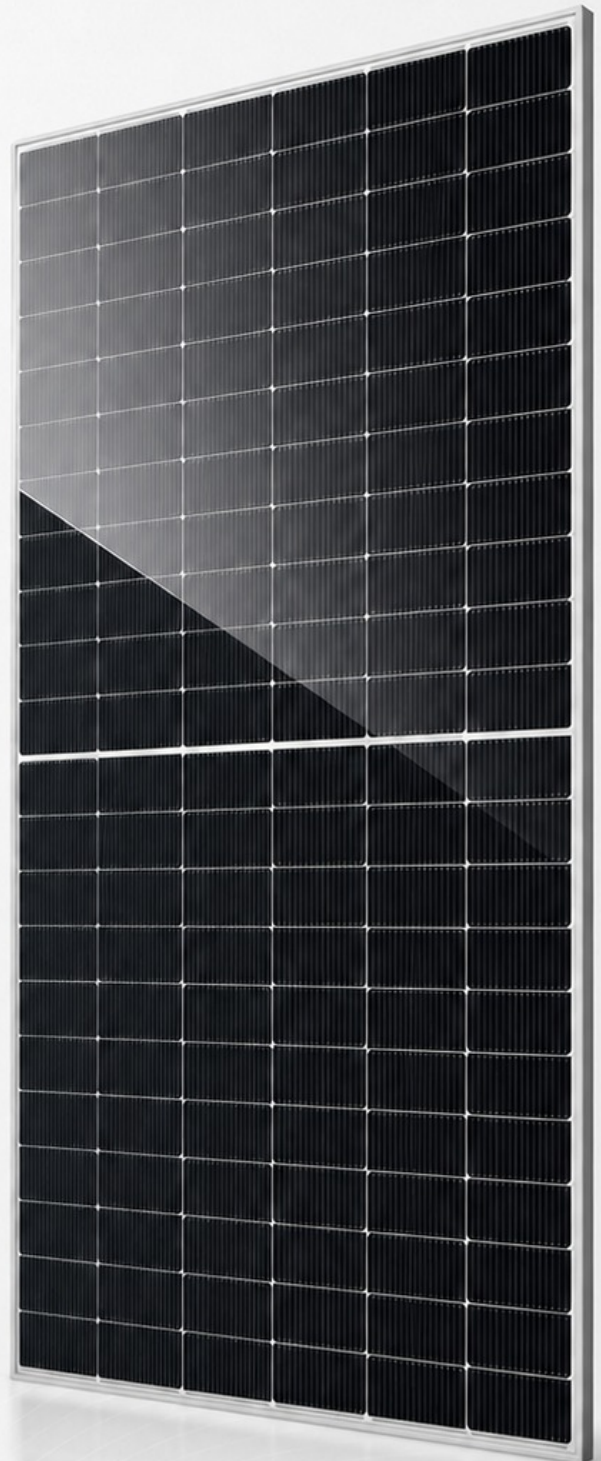
12-year
product warranty



30-year linear
power output warranty

Comprehensive Certificates (In Development)

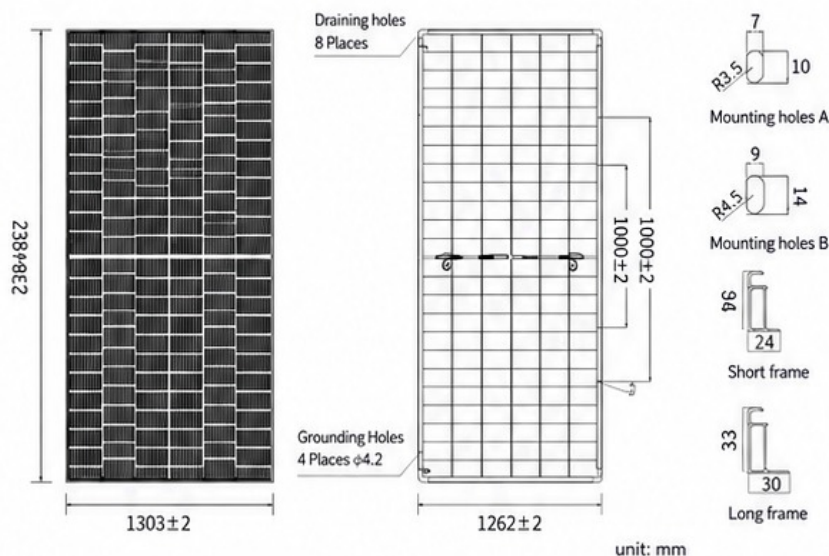
- IEC 61215: 2016 / IEC 61730: 2016
- ISO 9001: 2015 Quality management systems
- ISO 14001: 2015 Environmental management systems
- ISO 45001: 2018 Occupational health and safety management systems
- IEC 62941: 2019 Terrestrial photovoltaic (PV) modules – Quality system for PV module manufacturing



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MECHANICAL DRAWINGS



MECHANICAL PARAMETERS

Cell	Mono
Weight	37.7kg
Dimensions	2384 $\pm$ 2mm $\times$ 1303 $\pm$ 2mm $\times$ 33 $\pm$ 1mm
Cable Cross Section Size	4mm ² (IEC), 12 AWG (UL)
No. of cells	132(6 $\times$ 22)
Junction Box	IP68, 3diodes
Connector	QC 4.10-35i / MC4-EVO2A
Cable Length (Including Connector)	Portrait: 400mm(+)/200mm(-) Landscape: 1400mm(+)/1400mm(-)
Frame	Anodized Aluminum Alloy
Front Glass	2.0mm, Anti-reflection Coating
Back Glass	2.0mm, Heat Strengthened Glass
Packaging Configuration	33pcs/Pallet, 594pcs/40HQ Container

Remark: customized frame color and cable length available upon request

ELECTRICAL PARAMETERS AT STC

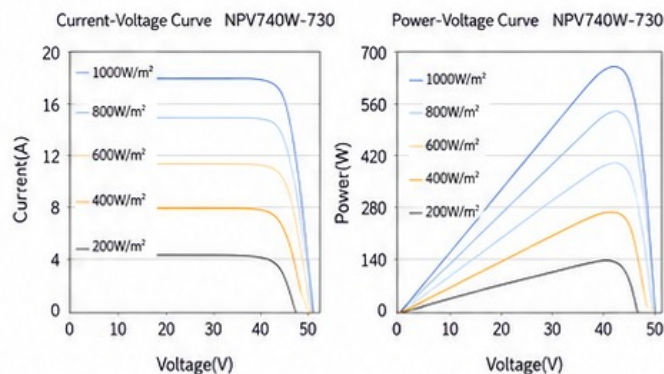
TYPE	NPV740W-715	NPV740W-720	NPV740W-730	NPV740W-735	NPV740W-740
Rated Maximum Power(P _{max}) [W]	715	720	725	730	740
Open Circuit Voltage (V _{oc}) [V]	48.80	49.00	49.20	49.40	49.80
Maximum Power Voltage (V _{mp}) [V]	41.00	41.19	41.39	41.58	41.96
Short Circuit Current(I _{sc}) [A]	18.55	18.59	18.63	18.67	18.73
Maximum Power Current(I _{mp}) [A]	17.44	17.48	17.52	17.60	17.64
Module Efficiency [%]	23.0	23.2	23.3	23.5	23.8
Power Tolerance	0~+3%				
Temperature Coefficient of I _{sc} (α_{Isc})	+0.045%/°C				
Temperature Coefficient of V _{oc} (β_{Voc})	-0.250%/°C				
Temperature Coefficient of P _{max} (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 BNPI

TYPE	NPV740W-715	NPV740W-725	NPV740W-730	NPV740W-735	NPV740W-740
Rated Max Power(P _{max}) [W]	785	795	800	811	817
Open Circuit Voltage(V _{oc}) [V]	48.80	49.00	49.20	49.60	49.80
Max Power Voltage(V _{mp}) [V]	41.00	41.19	41.39	41.58	41.96
Short Circuit Current(I _{sc}) [A]	20.37	20.52	20.57	20.64	20.68
Max Power Current(I _{mp}) [A]	19.15	19.30	19.34	19.43	19.47
BNPI	Front Irradiance 1000W/m ² , Rear Irradiance 135W/m ² , cell temperature 25°C, AM1.5G				

CHARACTERISTICS



OPERATING CONDITIONS

Maximum System Voltage	1500V DC
Operating Temperature*	-40°C ~ +70°C
Maximum Series Fuse Rating	35A
Maximum Static Load, Front	5400Pa(112 lb/ft ²)
Maximum Static Load, Back	2400Pa(50 lb/ft ²)
NOCT	45 $\pm$ 2°C
Bifaciality	80 $\pm$ 5%
Safety Class	Class II
Fire Performance	UL Type 29/Class C

*PV module 98th percentile operating temperature: 70°C



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