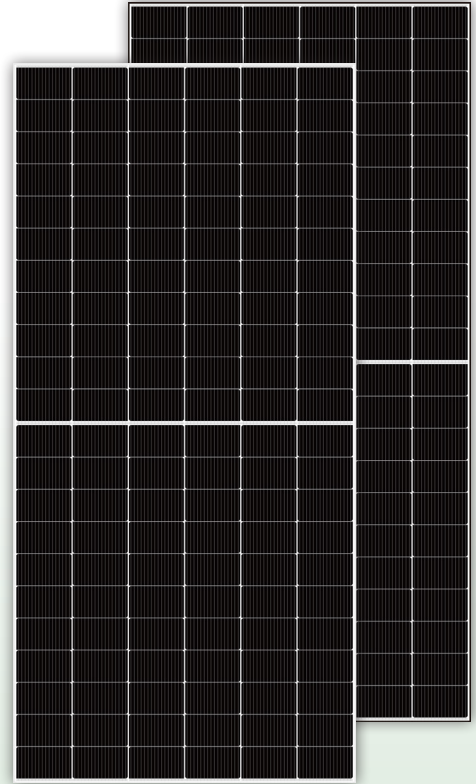


600-620W

N-type Monofacial Module US-BBT66-G11



- 30-year lifespan delivers 10-30% more power compared with conventional P-type modules
- The natural lack of LID in the N-type solar cell can increase power generation
- Excellent low irradiance performance
- Better light trapping and current collection to improve module power output and reliability
- Industry-leading, lowest thermal coefficient
- Optimized electrical design and lower operating current for reduced hot spot loss and better temperature
- Certified to withstand 2400 Pa of wind load and 5400 Pa of snow load
- 100% triple EL test, which greatly reduces the hidden cracks rate

WARRANTY INSURANCE



* Optional performance warranty insurance. Please contact our local sales staff for more information.

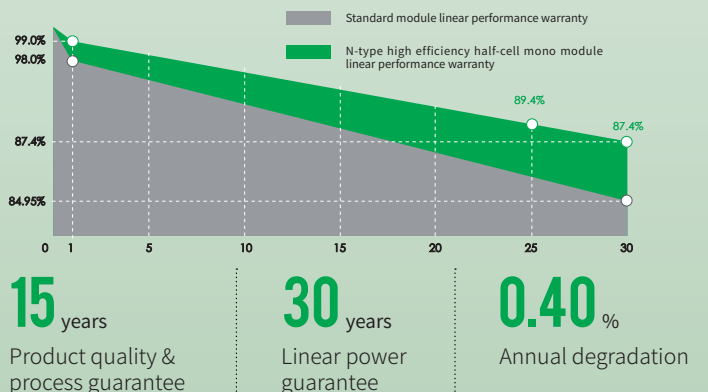
COMPREHENSIVE CERTIFICATES



- ISO 9001: Quality Management System
- ISO 14001: Environmental Management System Standard
- ISO 45001: International Occupational Health and Safety Assessment System Standard
- SA8000: 2014 Social Accountability Management System

* Different markets have different certification requirements. Also, the products are under rapid innovation. Please confirm the certification status with regional sales representatives.

LINEAR PERFORMANCE WARRANTY



ELECTRICAL CHARACTERISTICS

Model of modules	US-BBT66(600)-G11		US-BBT66(605)-G11		US-BBT66(610)-G11		US-BBT66(615)-G11		US-BBT66(620)-G11	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (W)	600	459	605	462	610	466	615	470	620	474
Open-circuit voltage — V_{oc} (V)	48.40	46.00	48.70	46.20	49.00	46.50	49.30	46.80	49.60	47.10
Short-circuit current — I_{sc} (A)	15.80	12.73	15.83	12.75	15.86	12.78	15.89	12.81	15.92	12.84
Maximum power voltage — V_{mp} (V)	40.30	37.90	40.50	38.10	40.80	38.30	41.00	38.60	41.22	38.88
Maximum power current — I_{mp} (A)	14.91	12.11	14.94	12.13	14.96	12.16	14.99	12.18	15.03	12.20
Module efficiency — η_m (%)	22.2		22.4		22.6		22.8		23.0	
Power tolerance (W)	(0,+5)									
Maximum system voltage (V)	1500									
Maximum rated fuse current (A)	25									
Current operating temperature (°C)	-40~+85 °C									

STC (Standard Testing Conditions): Irradiance 1000W/m², Cell Temperature 25 °C, Spectra at AM1.5

NOCT (Nominal Operating Cell Temperature): Irradiance 800W/m², Ambient Temperature 20°C, Spectra at AM1.5, Wind at 1m/s

STRUCTURAL CHARACTERISTICS

Module dimensions (L*W*H)	2382x 1134 x 30 mm
Weight	28.9 kg
Number of cells	132 cells
Cell	N-type monocrystalline
Glass	Tempered, 3.2 mm AR, high transmittance, low iron
Frame	Anodized aluminum alloy (Silver/Black)
Junction box	IP68, 3 bypass diodes
Output wire	4.0 mm ² , wire length: 300mm/1200mm/customized length
Connector	MC4 Compatible
Mechanical load	Snow load: 5400 Pa * / Wind load: 2400 Pa ∞

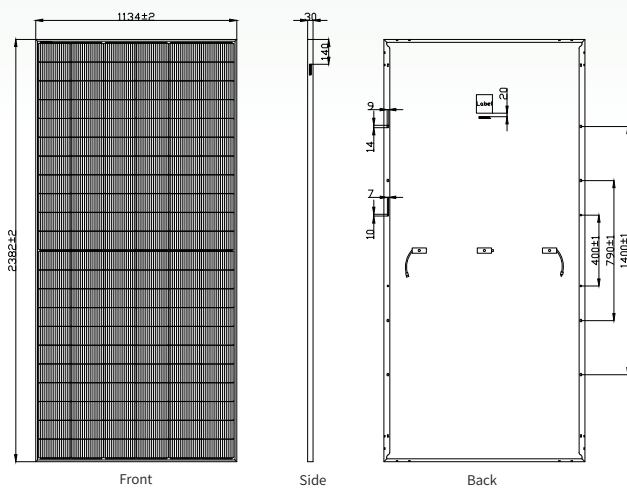
TEMPERATURE PERFORMANCE RATINGS

Temperature coefficient (P_{max})	-0.30%/°C
Temperature coefficient (V_{oc})	-0.28%/°C
Temperature coefficient (I_{sc})	+0.04%/°C
Nominal operating cell temperature	43±2 °C

PACKAGING CONFIGURATION

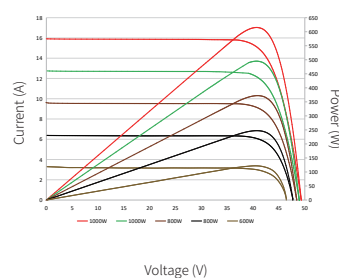
Container	40HQ
Quantity/pallet	36
Pallets/container	20
Quantity/container	720

MODULE DIMENSIONS (MM)

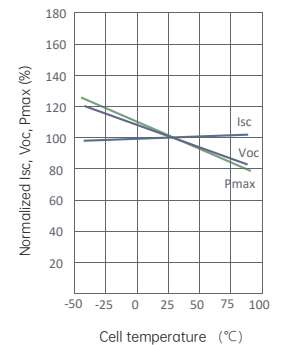


* The unmarked tolerance is ±1 mm
Length shown in mm

Characteristic curves (615W)



Temperature Dependence of I_{sc} , V_{oc} , P_{max}



Universun Technology Co., Ltd

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