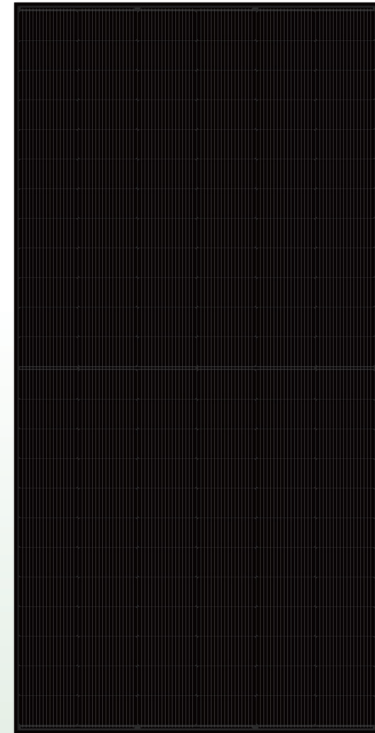




565-585W


N-type Monofacial Module US-BBT72




 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.

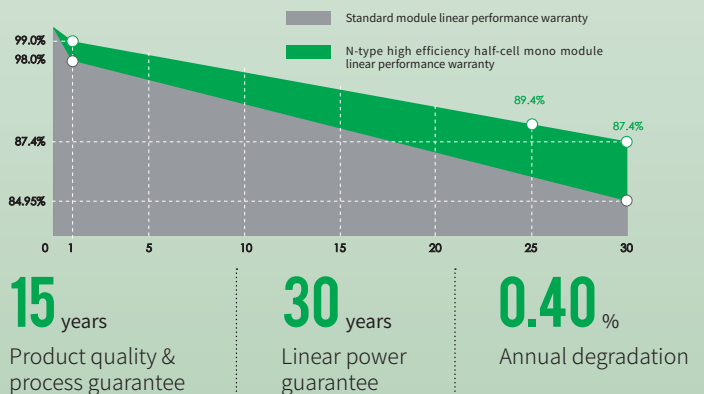
COMPREHENSIVE CERTIFICATES



- 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-BBT72(565)		US-BBT72(570)		US-BBT72(575)		US-BBT72(580)		US-BBT72(585)	
	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT	STC	NOCT
Maximum power — P_{mp} (W)	565	421	570	425	575	428	580	432	585	436
Open-circuit voltage — V_{oc} (V)	51.45	48.57	51.60	48.71	51.75	48.85	51.90	48.99	52.09	49.17
Short-circuit current — I_{sc} (A)	13.46	10.87	13.51	10.92	13.56	10.96	13.61	11.00	13.68	11.05
Maximum power voltage — V_{mp} (V)	44.10	41.28	44.23	41.41	44.35	41.52	44.48	41.64	44.61	41.76
Maximum power current — I_{mp} (A)	12.81	10.19	12.89	10.26	12.96	10.31	13.04	10.38	13.12	10.44
Module efficiency — η_m (%)	21.9		22.1		22.3		22.5		22.6	
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)	2278 x 1134 x 30 mm
Weight	27.6 kg
Number of cells	144 cells
Cell	N-type monocrystalline
Glass	Tempered, 3.2 mm AR, high transmittance, low iron
Frame	Black anodized aluminum alloy
Junction box	IP68, 3 bypass diodes
Output wire	4.0 mm ² , wire length: 300mm/1200mm/customized
Connector	MC4 Compatible
Mechanical load	Snow load: 5400 Pa * / Wind load: 2400 Pa ☺

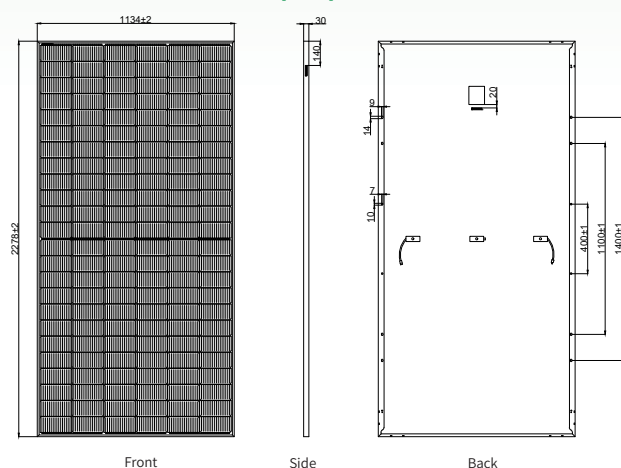
TEMPERATURE PERFORMANCE RATINGS

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

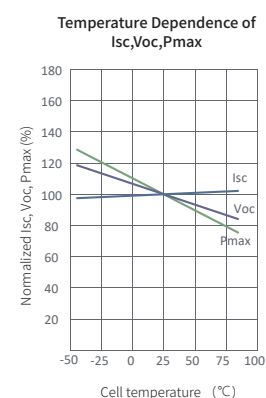
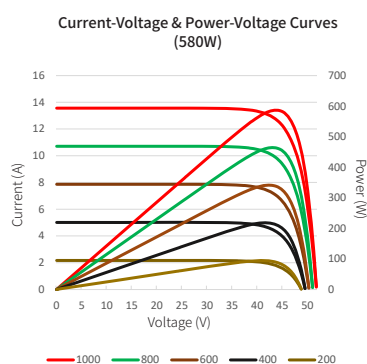
PACKAGING CONFIGURATION

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

MODULE DIMENSIONS (MM)



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



Universun Technology Co., Ltd

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