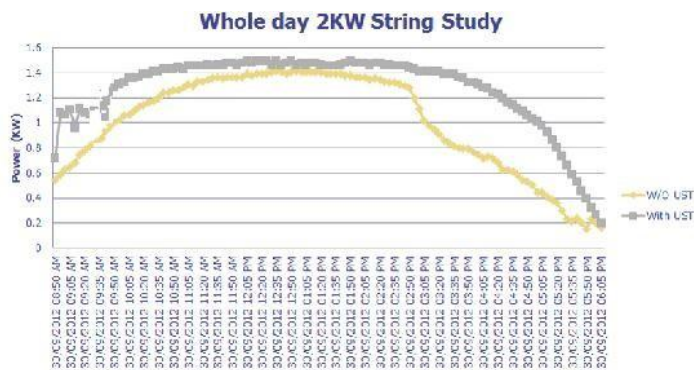


DELIVERING MORE POWER FROM A SOLAR MODULE

Increase in Generated Daytime Power



QuantumBoost™ QB1500-S

QB1500S: Supports up to 1500W of Modules in a string, NEMA-4X Enclosure, with transient voltage suppression

Made in the USA

Ultrasolar products are designed and manufactured with the system EPC in mind, using the highest quality components to ensure long-term field reliability. All products are assembled in our US facility in Santa Clara, California. We guarantee customer satisfaction.



PRODUCT FEATURES:

- ETL listed to UL-1741 pending
- Supports up to 1500W Module Strings
- Standard MC4 compatible connectors
- NEMA - 4X enclosures
- Rated for 600V continuous duty
- Includes touch safe protective cover
- Wide thermal operating range: -40° C to +65° C operation
- Configured for negative grounded arrays
- Integrated disconnect switch to prevent interruption of power from the string. In the event of failure, string reverts to original output configuration for non-stop operation.
 - Transient Voltage Suppression
 - Warranty 5 years with optional 10,15 years
 - Dimensions: W12 x L8 x D3, Weight 8lbs

PRODUCT TECHNICAL SPECIFICATION Ver 0.3	
QuantumBoost™ Model QB1500S	QB1500
INPUT DC (to QB1500S)	
Maximum String† Power rated at STC** (Pmax)	1500W
Maximum String DC Voltage (Vmp)	190V
Maximum String DC Current (Imp)	8.5A
Open Circuit String Voltage (Voc)	235V
Short Circuit String Current (Isc)	8.9A
OUTPUT DC (from QB1500S)	
Maximum String Power increase (Pmax)	≤20%
Maximum String DC Voltage Variation (Vmp)	up to +/- 5%
Maximum String DC Current Variation at Pmax (Imp)	up to +15%
Maximum Change in Open Circuit Voltage (Voc)	+/- 5%
Maximum Change in Short Circuit Current (Isc)	15%
THERMAL Characteristics	
Operating Temperature Range	-40°C to +65°C
Mechanical	
Length (excluding connectors)	12 in
Width (excluding connectors)	8 in
Height (excluding connectors)	3 in
Weight	8lbs
Connectors	MC4 Compatible
Enclosure Rating	NEMA 4X
General	
Warranty Terms ***	5 years
Compliance (Performance, Safety, Fire)	UL1741 pending; Class B
Mechanical Mounting	See installation procedure
Cooling	Natural Convection

* Technical specifications are PRELIMINARY and subject to change without prior notice

**Standard Testing conditions (STC): 1,000W/m² irradiance; Temp 25°C, AM 1.5

*** 5 years Standard Feature; 10 / 15 years warranty options available

**** Combines with any solar panel and any inverter type verified (Crystalline-Si; Mono-Si; Poly-Si)