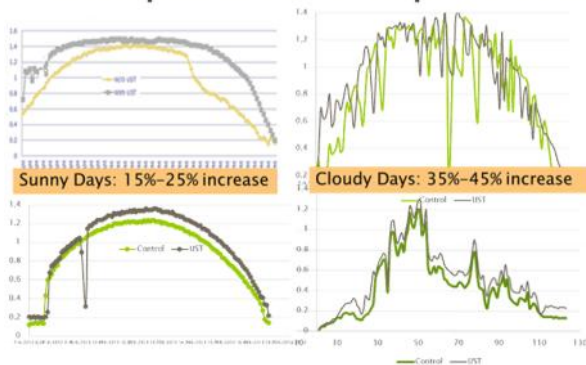


## DELIVERING MORE POWER FROM A SOLAR MODULE: QB-R

### Increase in Generated Daytime Power

#### Examples of Power Improvement



QuantumBoost™ QB-R

QB-R: Supports up to 2510W of Modules in a string, NEMA-4X Enclosure, with transient voltage suppression

#### PRODUCT FEATURES:

- ETL listed to UL-1741, TUC certified
- Supports up to 2510W Module Strings
- Standard MC4 & H4 UTX compatible connectors
- NEMA - 4X enclosures
- Rated for 300V continuous duty
- Includes touch safe protective cover
- Wide thermal operating range:  
-20° C to +50° C operation
- Configured for negative grounded arrays
- Transient Voltage Suppression
- Warranty 5 years with optional 10/15 years
- Dimensions: W12 x L8 x D3, Weight: 8lbs

#### 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 facilities in California. We guarantee customer satisfaction.

<b>PRODUCT TECHNICAL SPECIFICATION Ver 1.0</b>	
<b>QuantumBoost™ Model QB-R</b>	<b>QB-R</b>
<b>INPUT DC (to QB-R)</b>	
Maximum String† Power rated at STC* (Pmax)	≤2510W
Maximum String DC Voltage (Vmp)	≤370V
Maximum String DC Current (Imp)	≤8.25A
Open Circuit String Voltage (Voc)	≤400V
Short Circuit String Current (Isc)	≤ 8.8A
<b>OUTPUT DC (from QB-R)</b>	
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%
<b>THERMAL Characteristics</b>	
Operating Temperature Range	-20°C to +50°C
<b>Mechanical</b>	
Length (excluding connectors)	12 in
Width (excluding connectors)	8 in
Height (excluding connectors)	3 in
Weight	8lbs
Connectors **	MC4 Compatible
Enclosure Rating	NEMA 4X
<b>General</b>	
Warranty Terms ***	5 years
Compliance (Performance, Safety, Fire)	UL1741; Class B
Mechanical Mounting	See installation procedure
Cooling	Natural Convection

Technical specifications are subject to change without prior notice

\*Standard Testing conditions (STC): 1,000W/m<sup>2</sup> irradiance; Temp 25°C, AM 1.5

\*\* H4UTX meets IEC50521 TUV - Class A (All Access), UL6703 1000V A(Americas and JET and H4 UTX-XL for 8AWG PV wire

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