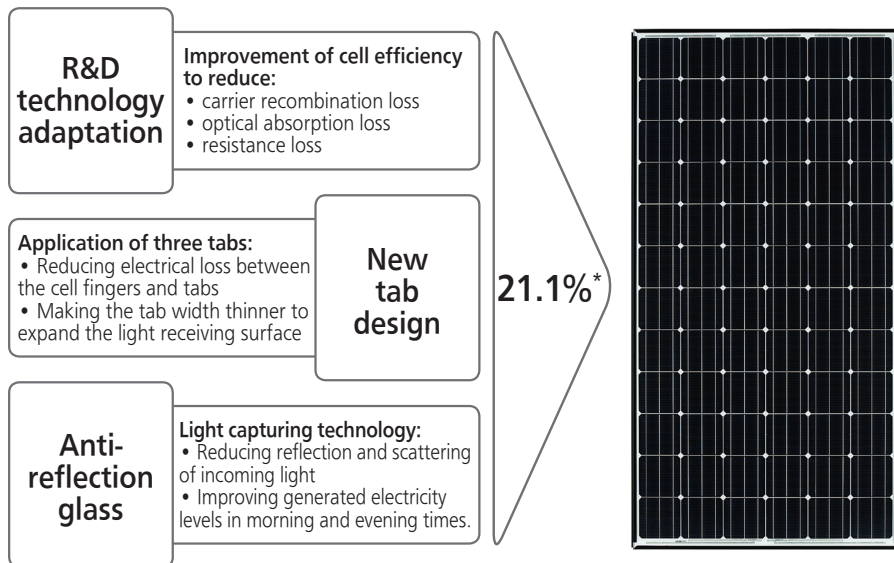


## HIT Power 235S

## VBHN235SA06

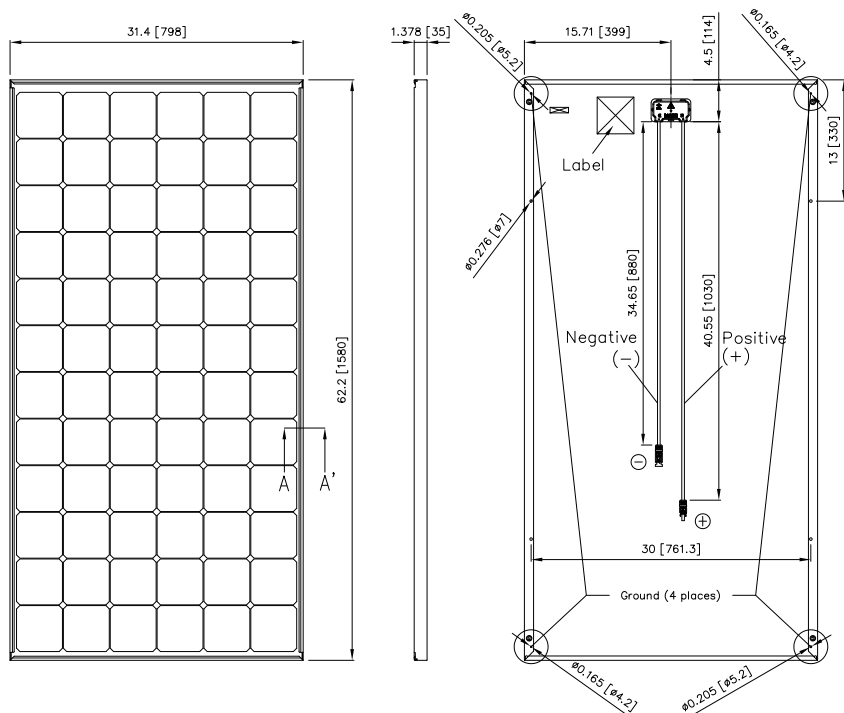
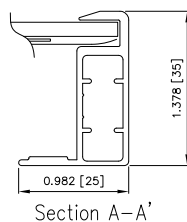


\* 21.1% is cell efficiency.

# HIT<sup>®</sup> Power

Photovoltaic Module

Dimensions  
Unit: inches [mm]



### High Efficiency

HIT Power solar panels are leaders in sunlight conversion efficiency. Obtain maximum power within a fixed amount of space. Save money using fewer system attachments and racking materials, and reduce costs by spending less time installing per Watt.

### Power Guarantee

The power ratings for HIT Power panels guarantee customers receive 100% of the nameplate rated power (or more) at the time of purchase, enabling owners to generate more kWh per rated Watt, quicken investments returns, and help realize complete customer satisfaction.

### Temperature Performance

As temperatures rise, HIT Power solar panels produce 10% or more electricity (kWh) than conventional crystalline silicon solar panels at the same temperature.

### Valuable Features

The packing density of the panels reduces transportation, fuel, and storage costs per installed watt.

### American Made Quality

Our silicon wafers located inside HIT solar panels are made in Oregon, and the panels are assembled in an ISO 9001 (quality), 14001 (environment), and 18001 (safety) certified factory. Unique eco-packing minimizes cardboard waste at the job site. The panels have a Limited 20-Year Power Output and 10-Year Product Workmanship Warranty.

# HIT Power 235S

## Electrical Specifications

Model	HIT Power 235S or VBHN235SA06
Rated Power (Pmax) <sup>1</sup>	235 W
Maximum Power Voltage (Vpm)	43.0 V
Maximum Power Current (Ipm)	5.48 A
Open Circuit Voltage (Voc)	51.8 V
Short Circuit Current (Isc)	5.84 A
Temperature Coefficient (Pmax)	-0.30%/ °C
Temperature Coefficient (Voc)	-0.124 V/ °C
Temperature Coefficient (Isc)	1.75 mA/ °C
NOCT	118.9°F (48.3°C)
CEC PTC Rating	218.7 W
Cell Efficiency	21.1%
Module Efficiency	18.6%
Watts per Ft. <sup>2</sup>	17.33 W
Maximum System Voltage	600 V
Series Fuse Rating	15 A
Warranted Tolerance (-/+)	-0% / +10%

## Mechanical Specifications

Internal Bypass Diodes	3 Bypass Diodes
Module Area	13.56 Ft <sup>2</sup> (1.26m <sup>2</sup> )
Weight	33.1 Lbs. (15kg)
Dimensions LxWxH	62.2x31.4x1.4 in. (1580x798x35 mm)
Cable Length +Male/-Female	40.55/34.64 in. (1030/880 mm)
Cable Size / Type	No. 12 AWG / PV Cable
Connector Type <sup>3</sup>	Multi-Contact <sup>®</sup> Type IV (MC4 <sup>™</sup> )
Static Wind / Snow Load	50 PSF (2.400 Pa)
Pallet Dimensions LxWxH	63.2x32x.65 in. (1607x815x1650 mm)
Quantity per Pallet / Pallet Weight	40 pcs./1388.9 Lbs (630 kg)
Quantity per 40' Container	560 pcs.
Quantity per 20' Container	280 pcs.

## Operating Conditions & Safety Ratings

Ambient Operating Temperature <sup>2</sup>	-4°F to 115°F (-20°C to 46°C)
Hail Safety Impact Velocity	1" hailstone (25mm) at 52 mph (23m/s)
Fire Safety Classification	Class C
Safety & Rating Certifications	UL 1703, cUL, CEC
Limited Warranty	10 Years Workmanship, 20 Years Power Output

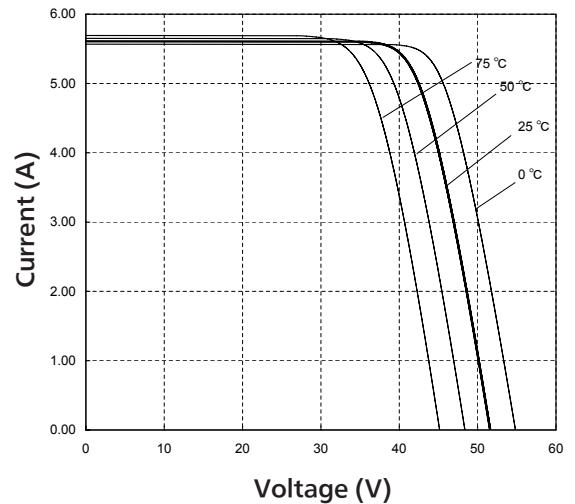
<sup>1</sup> STC: Cell temp. 25°C, AM1.5, 1000W/m<sup>2</sup>

<sup>2</sup> Monthly average low and high of the installation site.

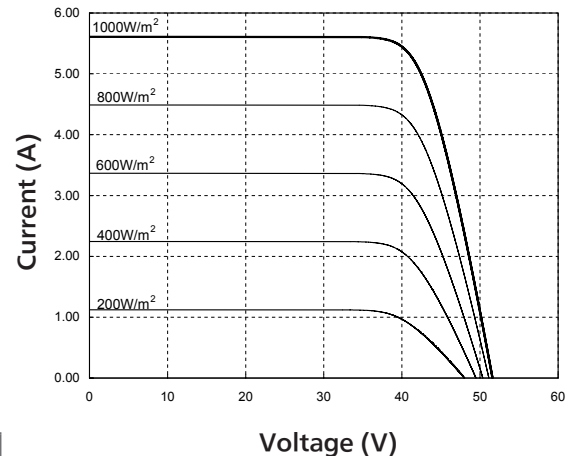
Note: Specifications and information above may change without notice.

<sup>3</sup> Safety locking clip (PV-SSH4) is not supplied with the module.

## Dependence on Temperature



## Dependence on Irradiance



HIT is a registered trademark of Panasonic Group. The name "HIT" comes from "Heterojunction with intrinsic Thin-layer" which is an original technology of Panasonic Group.

**⚠ CAUTION!** Please read the installation manual carefully before using the products.

**Panasonic Eco Solutions**  
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07/2012