

High-efficiency photovoltaic module using multicrystalline silicon cells.

Performance

| | |
|-------------------------------|----------|
| Rated power (P_{max}) | 65W |
| Limited Warranty ¹ | 25 years |

Configuration

| | |
|----------|--|
| BP 365TS | Module with low-profile interlocking, in-roof mounting framing system, concealed output cables, and polarized Multicontact (MC) connectors |
|----------|--|

Electrical Characteristics²

| | BP 365TS |
|---|---------------------------------|
| Maximum power (P_{max}) ³ | 65W |
| Voltage at P_{max} (V_{mp}) | 8.7V |
| Current at P_{max} (I_{mp}) | 7.5A |
| Warranted minimum P_{max} | 61.75W |
| Short-circuit current (I_{sc}) | 8.1A |
| Open-circuit voltage (V_{oc}) | 11.0V |
| Temperature coefficient of I_{sc} | $(0.065 \pm 0.015)\%/^{\circ}C$ |
| Temperature coefficient of V_{oc} | $-(40 \pm 10)mV/^{\circ}C$ |
| Temperature coefficient of power | $-(0.5 \pm 0.05)\%/^{\circ}C$ |
| NOCT (Air 20°C; Sun 0.8kW/m ² ; wind 1m/s) | 47 ± 2°C |
| Maximum series fuse rating | 15A |
| Maximum system voltage | 600V (U.S. NEC rating) |



Mechanical Characteristics

| | | | |
|---------------|--|----------------------|--------------------|
| Dimensions | Length: 1513mm (59.6") | Width: 456mm (18.0") | Depth: 43mm (1.7") |
| Weight | 7.4 kg (16.4 pounds) | | |
| Solar Cells | 18 cells (156mm x 156mm) in a 2x9 matrix connected in series | | |
| Output Cables | RHW AWG# 12 (3.3mm), cable with polarized weatherproof DC rated Multicontact connectors; asymmetrical lengths - 900mm (-) and 1300mm (+) | | |
| Diodes | IntegraBus™ technology includes Schottky by-pass diodes integrated into the printed circuit board bus | | |
| Construction | Front: High-transmission 3mm (1/8th in) tempered glass; Back: Polyester; Encapsulant: EVA | | |
| Frame | Epoxy coated aluminum | | |

1. Module warranty: 25-year limited warranty of 85% power output; 12-year limited warranty of 93% power output; 5-year limited warranty of materials and workmanship. See your local representative for full terms of these warranties.
2. This data represents the performance of typical BP 365TS products, and is based on measurements made in accordance with ASTM E1036 corrected to SRC (STC.)
3. During the stabilization process that occurs during the first few months of deployment, module power may decrease by up to 1% from typical P_{max} .

Quality and Safety

ESTI

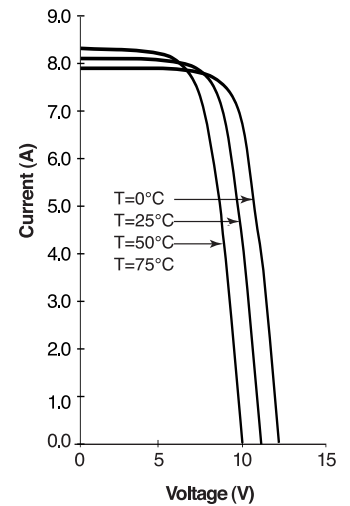
Module power measurements calibrated to World Radiometric Reference through ESTI (European Solar Test Installation at Ispra, Italy)



Listed by Underwriter's Laboratories for electrical and fire safety (Class A fire rating when installed using approved underlayment)

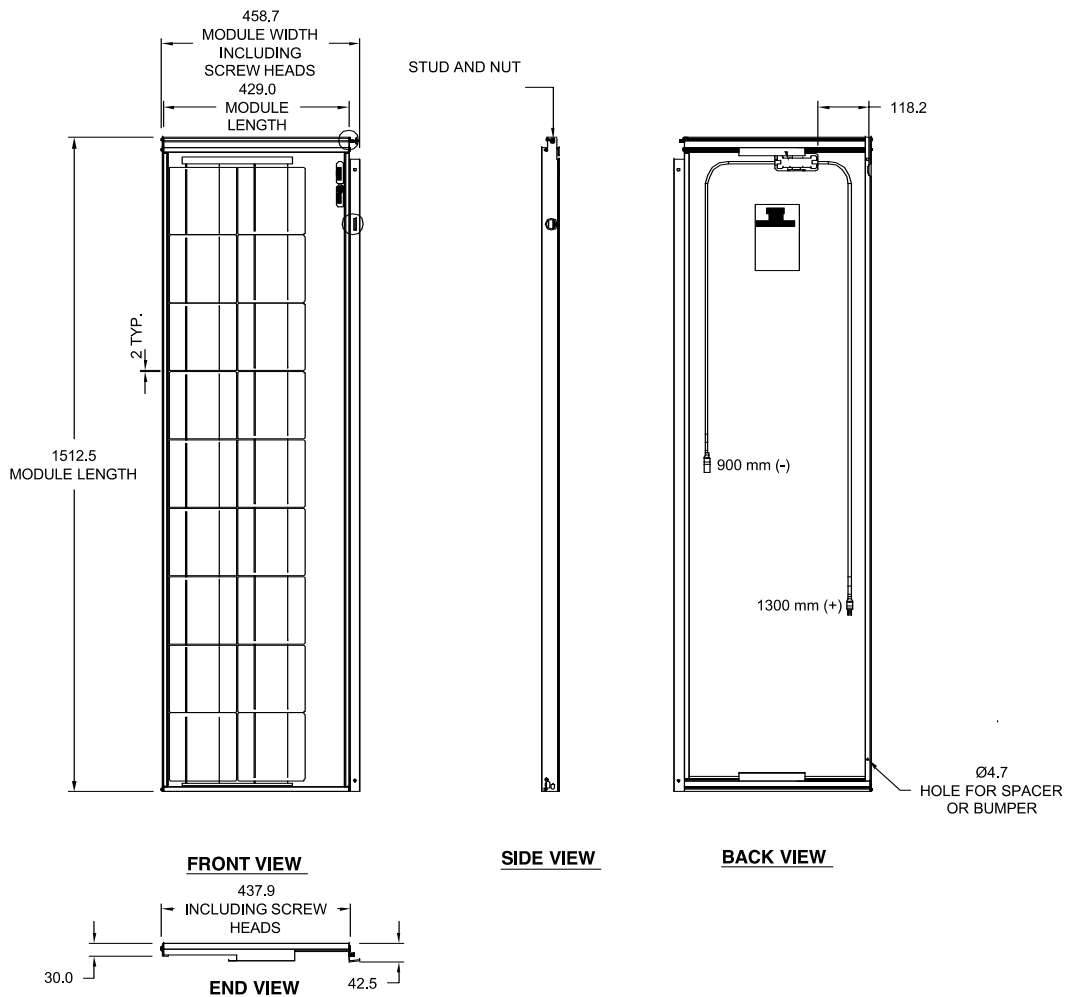
Qualification Test Parameters

| | |
|----------------------------|---|
| Temperature cycling range | -40°C to +85°C (-40°F to 185°F) |
| Humidity freeze, damp heat | 85% RH |
| Wind resistance | 110mph per UL997 |
| Fire resistance | Class A pr UL970 when installed per mfg. instructions |
| Hailstone impact | 25mm (1 inch) at 23 m/s (52mph) |



Module Diagram

Dimensions in brackets are in inches. Un-bracketed dimensions are in millimeters. Overall tolerances $\pm 3\text{mm}$ (1/8").



Instruction sheet and warranty document included with each module.

Note: This publication summarizes product warranty and specifications, which are subject to change without notice. Additional information may be found on our web site: www.bpsolar.us

