

175W Photovoltaic module

BP 4175T



BP Solar has been manufacturing solar wafers, cells and modules for more than 35 years. This experience shows that the best way to optimize module life and electrical energy production is to attend to every detail in the design and manufacture of our products, our process controls and testing methods. BP Solar's latest generation of 72 cell, Monocrystalline T Series solar modules offers the following benefits:



Positive measured power, more energy production

All modules are factory tested and classified such that measured power is greater than nominal to take into account the LID effect. This means extra kWh produced in the field.



Long lasting, innovative frame design

The aluminum frame has a rounded profile for better handling comfort and is optimized for use with anti-theft bolts to increase security. It can withstand heavy snow loads (5400Pa - 112lbs/ft²) even in end mounting.



Increased energy production

High transmission ARC glass and enhanced design push the laminate to the front, maximizing the energy production and reducing dirt accumulation and soiling losses.



Improved reliability with effective cooling

IntegraBus™ technology ensures reliable cable management while positioning the bypass diodes and junction box away from the cells ensuring cooler operation and greater energy production.

Enhanced warranty offer

BP Solar launches an industry leading warranty offer, with lower degradation rates on our modules manufactured beginning January 1st, 2010. Our internal testing standards that go well beyond international requirements back this innovative offer.







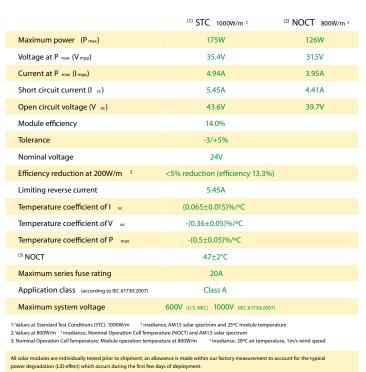






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Electrical characteristics



Mechanical characteristics

Solar cells	72 monocrystalline 5" silicon cells (125x125mm) in series
Front cover	High transmission 3.2mm (1/8th in) glass
Encapsulant	EVA
Back cover	White polyester
Frame	Silver anodized aluminum (Universal II)
Diodes	IntegraBus [™] with 3 Schottky diodes
Junction box	Potted (IP 67); certified to meet UL 1703 flammability test
Output cables	$\label{eq:model} 4mm^2\ cable\ with\ latching\ MC4\ connectors$ $\ Asymetrical\ cable\ lengths: (-)1250mm\ (49.21in)\ /\ (-)800mm\ (31.50in)$
Dimensions	1587x790x50mm / 62.5x31.1x2in
Weight	15.4kg / 33.95lbs
All dimensional tolerances within ±0.1% unless otherwise stated.	

Warranty

- Free from defects in materials and workmanship for 5 years
- 93% power output over 12 years
- 85% power output over 25 years

Certification

Certified according to the extended version of the IEC 61215:2005 (Crystalline silicon terrestrial photovoltaic modules - Design qualification and type approval)

Certified according to IEC 61730-1 and IEC 61730-2. (Photovoltaic module safety qualification, requirements for construction and testing)

Listed to UL 1703 Standard for Safety by Intertek ETL (Class C fire rating)

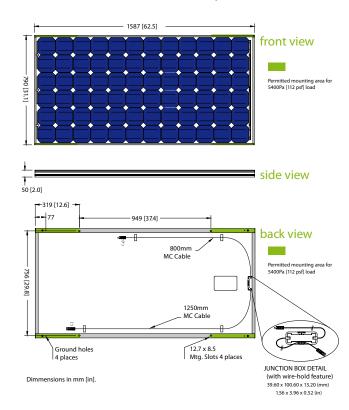
Manufactured in ISO 9001 and ISO 14001 certified factories

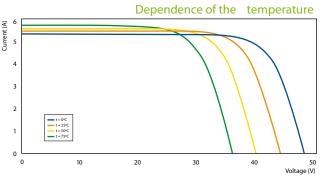
Module electrical measurements are calibrated to World radiometric reference via third party international laboratories

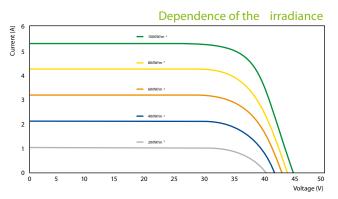
This data sheet complies with the EN 50380 requirements.

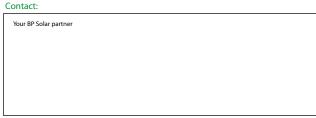
This cribilization summarises product warranty and specifications which are subject to change without notice.











Find more information in: www.bpsolar.com

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