

BP Solar Photovoltaic Modules

BP Solar PV modules are solar cells (made from wafers of silicon crystals) laminated between impact resistant high transmission glass and EVA sealant. They are then built into rigid lightweight anodised aluminium framing to give a mountable structure. Some modules are also available as laminate only versions. Electrical connection is via weathertight junction boxes bonded directly to the laminate.

BP Solar's modules use new enhanced cell coatings and manufacturing processes to improve power by 5% or more over standard modules to give increased reliability and performance. They have tight power tolerances and some of the best warranties in the industry - meaning more power for a longer period of time.



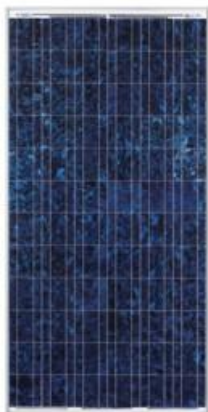
High power, high efficiency modules result in greater production of kilowatt hours per kilowatt peak installed, ie. maximum energy from minimum possible roof space.

Warranty: Modules are guaranteed to produce not less than the given percentage of minimum rated power at standard test conditions over listed period.

These industrial quality high performance modules are designed for reliability and minimum maintenance over at least 30 years. Recommended in situations where high outputs are required and ideal for use in larger system arrays. These are the standard 'building blocks' for all solar systems. They can be used to directly power DC loads or are used with charge controllers (to prevent battery overcharging) in battery storage systems or connected in series as the input for inverters (eg. SMA Sunny Boys) for grid connected systems.

See Next Page for Individual Product Details and Specifications

BP Solar High Performance Polycrystalline 3 Series



This series of modules provide superior value and performance for general use, operating DC loads directly, battery charging systems or with an inverter, AC systems.

They use time-tested multicrystalline silicon cells with an enhanced efficiency by the addition of improved silicon nitride (SiN) coatings. They are high power modules designed for maximum reliability.

Highly resistant to water, abrasion, hail impact and other environmental factors they are suitable for use in virtually any climate. Ideal for all types of solar systems from small battery charging systems up to large grid-connected arrays.

The BP380 uses 36 cells in series to charge 12 volt batteries and are the ideal building blocks for off-grid systems.

The BP3160N and BP3170N modules use 72 cells connected in series to give a nominal 24V output so their primary use is with inverters in large grid connected arrays.

Made in India/USA.

Power Tolerance: +/-5%;

+/-3% for BP3160N & BP3170N

Warranty:

5 years materials & workmanship

12 years to 90% power

25 years to 80% power.

Module Number	Dimensions mm	Peak Output	Voltage@ Peak Output	Current@Peak Output	Weight
BP Solar BP350U	839 x 537 x 50	50 Wp	17.3 V	2.89 A	6.0 kg
BP Solar BP380J	9 x 537 x 50	80 Wp	17.6 V	4.55 A	7.7 kg
BP Solar BP3160N	1593 x 790 x 50	160 Wp	35.2 V	4.70 A	15.0 kg
BP Solar BP3170N	1593 x 790 x 50	170 Wp	35.5 V	4.80 A	15.4 kg

For further information or to request a quotation,

Please don't hesitate to contact the Energy Connect Team on 0116 2425151

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BP Solar High Performance Monocrystalline '4 Series'

These advanced modules use latest high efficiency Monocrystalline antireflective coated cells for maximising energy generation from a limited area. They give excellent performance in low light, overcast conditions and high temperatures. Ideal for grid feeding applications.



Three bypass diodes mounted in the IntegraBus™ circuit board and laminated in the module provide effective protection of the cells from overheating when shaded and ensures long term reliability. Exceptional efficiency, high power modules designed for maximum reliability and premium power performance. Highly resistant to water, abrasion, hail impact and other environmental factors. Proven products with extensive field experience. Ideal for all types of solar systems. Applications include grid-connected building facades and roof systems, off-grid systems, telecommunication systems, and especially arrays requiring high energy density.

The BP4175 module uses 72 cells connected in series and their primary use is with inverters in large grid connected arrays. They have a -3%/+5% power tolerance and average power that is higher than nominal power.

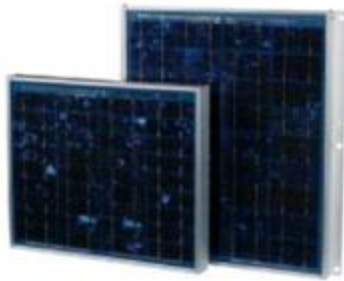
Made in Spain/India/China
 Power Tolerance: +5%, -3%
 Warranty: 5 years materials & workmanship.
 12 years to 90% power.
 25 years to 80% power.

Module Number	Dimensions mm	Peak Output	Voltage@ Peak Output	Current@Peak Output	Weight
BP4715N	1593 x 790 x 50	175 Wp	35.4V	4.90 A	15.4

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Smaller BP Modules

BP Solar SX Modules



Polycrystalline cells.

Laminated toughened glass with lightweight, anodised aluminium 'Universal' frame. Highly resistant to water, abrasion, hail impact and other environmental factors. Includes junction box which accepts cable or conduit and provides field-selection of either 6 or 12 V output.

Made in India/USA. Warranty: 10 years to 90%

Module Number	Dimensions (mm)	Peak Output	Voltage@ Peak Output	Current at Peak Output	Weight
BP Solar SX-305M	250 x 273 x 23	4.5 Wp	16.5 V	0.27 A	0.8 kg
BP Solar SX-310U	424 x 273 x 50	10 Wp	16.8 V	0.59 A	1.9 kg
BP Solar SX-320U	424 x 502 x 50	20 Wp	16.8 V	1.19 A	3.0 kg
BP Solar SX-330U	594 x 502 x 50	30 Wp	16.8 V	1.78 A	3.9 kg

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