



BP SOLAR

# SOLAR BATTERIES PVSTOR

*The world's leading battery range developed specifically for remote area solar and hybrid power applications.*



## PRODUCT FEATURES

- Excellent cycling ability provides high reliability and exceptionally long life.
- Large electrolyte reserve and low water loss rate provides minimal topping up intervals of 2 to 3 years.
- High charging efficiency.
- Low self discharge (2-3% per month) minimises photovoltaic system size.
- Comprehensive product range up to 1110 ampere hours capacity (100 hour rate).
- Independently tested demonstrating superior performance.
- Proven track record throughout the world's toughest environments.
- 15 years field experience.
- Five year full replacement warranty.



## APPLICATIONS

### TELECOMS

- |                                      |                                 |
|--------------------------------------|---------------------------------|
| Microwave Repeaters and Terminals.   | Radio Telephones & Telemetry    |
| VHF/UHF Radio Systems and Repeaters. | Radio Navigational Aids         |
| Mobile Radio Systems.                | Fibre Optic Repeaters           |
| HF/SSB Radio Transceivers            | Miscellaneous Packaged DC Loads |
| TV Translators                       |                                 |

### RURAL INFRASTRUCTURE

- |   |                         |
|---|-------------------------|
| Community/Village Refrigeration, Medical and Domestic | Television & Video      |
| Community/Village Lighting                            | Individual House Power  |
| Community/Village                                     | Community/Village Power |

### SPECIALIST

- |                               |                              |
|-------------------------------|------------------------------|
| Cathodic Protection           | Racon Systems                |
| Aircraft Obstruction Lighting | Beacon Buoy Lighting Systems |
| Lighthouse Lighting Systems   | Fog Warning Systems          |



# BP PVSTOR REMOTE AREA BATTERIES

## EQUIPMENT SUPPLY

PVSTOR cells are supplied wet charged complete with pole-caps and fasteners. BP Solar recommend the use of specially designed GRP battery boxes and steel racks to facilitate cell storage within the optimum configuration. Ancillary equipment includes a calibrated PVstor hydrometer thermometer kit.

## OPERATION

The specialist design of the PVstor range ensures only minimal maintenance requirements coupled with long life. Typical maintenance of yearly intervals involves checking terminals and interconnectors. Topping up with distilled water is typically every 2-3 years, when used in accordance with approved conditions of use. PVstor provides a typical life of 10 to 15 years when used in accordance with conditions of use. Confidence in the range extends to a 5 year full replacement warranty when used in accordance with BP Solar conditions of use. All battery capacities are measured at 25°C to an end of discharge voltage of 1.8VPC. Capacities are ±10%.

## TECHNICAL SPECIFICATIONS

MODEL No.	6P210	2P430	2P570	2P785	2P1110	
BATTERY VOLTAGE	6	2	2	2	2	
CAPACITY	5 HOURS	105	217	288	397	562
	10 HOURS	125	255	340	467	661
	25 HOURS	150	308	410	565	798
	50 HOURS	176	361	481	662	936
	100 HOURS	210	430	570	785	1110
	120 HOURS	218	446	594	818	1156
DIMENSIONS	(mm) LENGTH	255	124	166	191	233
	(mm) WIDTH	225	206	206	210	210
	(mm) HEIGHT	345	473	473	648	648
WEIGHT	WET CHARGED	38	26	35	49	65
	DRY UNCHARGED	27	17	23	29	48
CYCLE LIFE	to 10% discharge, 7,500 cycles to 50% discharge, 2,500 cycles to 80% discharge, 1,200 cycles					
OPERATING TEMP RANGE	-17° to +55°C					
SELF DISCHARGE	2-3% at 20°C					
*5 YEAR FULL REPLACEMENT WARRANTY	YES	YES	YES	YES	YES	

### \* GENERAL WARRANTY TERMS

BP Solar warrants that the product will be free of all defects and faults in materials and workmanship and will otherwise comply with prevailing specifications at the time of despatch. BP Solar will repair or replace product which is found within the warranty period, commencing from the date of despatch to have less than 80% of the rated value of the 10 hours capacity when tested in accordance with prevailing specifications

provided that the user of the product has:

- Complied with the conditions of use.
- Notified BP Solar within 21 days as to the existence of product not complying with the said warranty; and
- Allowed BP Solar or its agent a reasonable opportunity to inspect the product in question.

FOR FURTHER TECHNICAL DATA AND DETAILED CONDITIONS OF USE CONTACT BP SOLAR.

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