

BPC POWERSTOR BATTERY RANGE

PSLW 1900 INDUSTRIAL VRLA SEALED LEAD BATTERY

GENERAL FEATURES

- Multi-alloy grid, with high corrosion resistant performance
- Excellent charge acceptance ability
- Exceptional deep cycle discharge capability
- Strong high and low temperature performance
- Long cycle and battery life – 10 years design life
- Flame Retardant UL-94 (optional)

TECHNICAL SPECIFICATION

NOMINAL VOLTAGE	12V	
NOMINAL CAPACITY	85Ah	
DIMENSIONS	WIDTH	169mm
	DEPTH	258mm
	HEIGHT	211mm
WEIGHT	26.0kgs	
INTERNAL RESISTANCE @ 25°C	6.3 mOhm	
CHARGE	Max. 21.3A ; Recom. 8.5A	
MAX. DISCHARGE CURRENT	1020A (5 secs)	
SELF DISCHARGE	Capacity will decline 3% each month at 25°C	

Operating Temperature °C	Recommended Applied Float Voltage VPC
10 – 14	2.30 – 2.33
15 – 19	2.27 – 2.30
20 – 24	2.27 – 2.30
25 – 30	2.25 – 2.27

Constant Current Discharge Characteristics (Amps @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5h	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	282	188	151	92.1	66.1	53.9	35.7	30.9	22.4	15.1	9.88	8.78	4.47
1.65V	273	186	147	90.6	65.6	53.5	35.3	30.7	22.2	14.9	9.80	8.68	4.44
1.70V	262	185	144	89.0	65.3	53.2	34.5	30.5	21.9	14.7	9.72	8.56	4.42
1.75V	241	182	139	88.2	64.3	52.4	34.8	30.0	21.6	14.6	9.64	8.55	4.40
1.80V	216	177	130	84.4	62.6	51.0	34.6	29.5	21.5	14.2	9.56	8.50	4.38

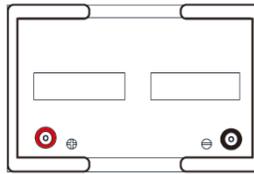
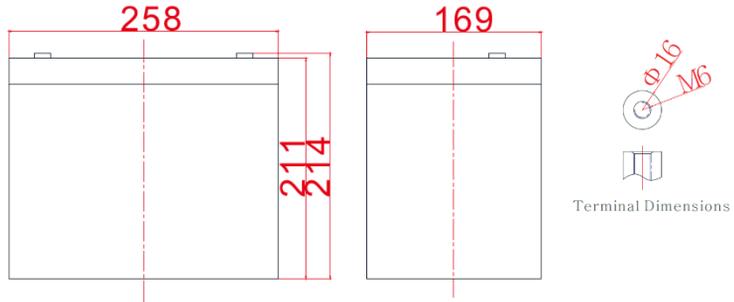
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	473	318	267	167	122	102	67.5	58.4	42.6	28.5	19.2	16.0	8.64
1.65V	455	315	262	165	121	101	66.7	58.3	42.1	28.4	19.0	15.8	8.60
1.67V	453.5	313.5	260.5	165	120.5	100.5	66.5	58.15	42	28.25	19.0	15.75	8.58
1.70V	452	312	259	165	120	100	66.3	58.0	41.9	28.1	19.0	15.7	8.56
1.75V	422	310	257	164	119	99.5	65.4	57.7	41.6	28.0	18.8	15.5	8.52
1.80V	387	308	243	160	118	98.7	65.0	57.5	41.5	27.7	18.7	15.4	8.48

*Product specifications are subject to change without further notice. Please contact the Manufacturer to obtain the latest information.



*Product may differ from image



Recommended Torque Setting: 3.9 – 5.4Nm

Recommended Distance Between Batteries: 10mm

Standards:

Internal resistance: according to EN IEC 60896 21
 Short circuit current: according to EN IEC 60896 22
 EUROBAT Classification: Long life 10 years

	88Ah	20 Hour Rate (4.4A to 10.5V)
RATED CAPACITY	85Ah	10 Hour Rate (8.55A to 10.5V)
	73Ah	5 Hour Rate (14.6A to 10.5V)



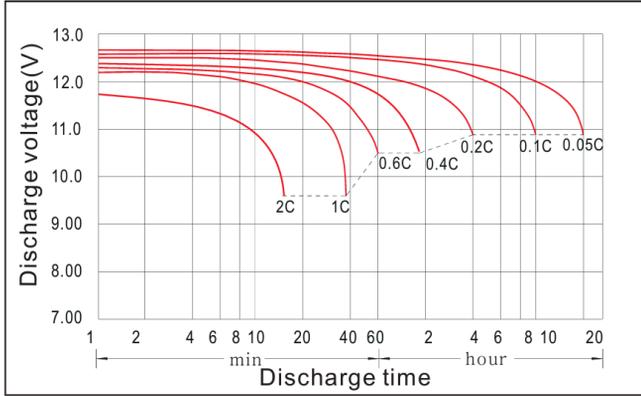
BPC Energy Limited BPC House, Romsey Industrial Estate, Greatbridge Road,
 Romsey, Hampshire, SO51 0HR, UK
 Telephone: +44 (0) 1794 521200 Fax: +44(0) 1794 521200 e-mail: sales@bpc-ups.com
www.bpc-ups.com
 Company Reg No: 8823160 Company VAT No: GB 177265088



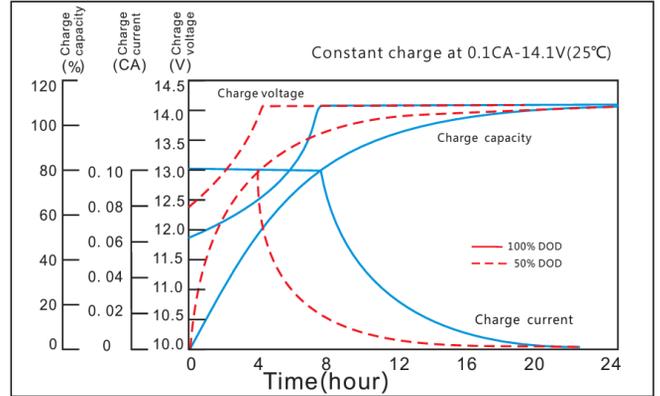
BPC POWERSTOR BATTERY RANGE

PSLW 1900 INDUSTRIAL VRLA SEALED LEAD BATTERY

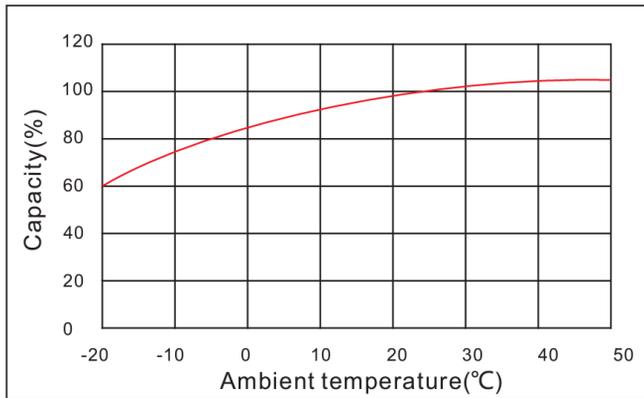
Discharge characteristic



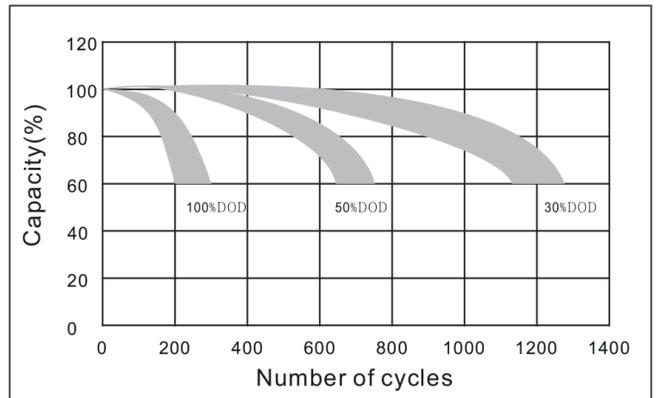
Charging characteristic



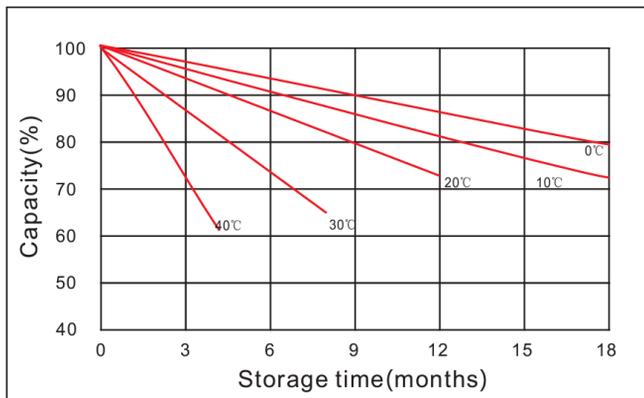
The effect of temperature on capacity



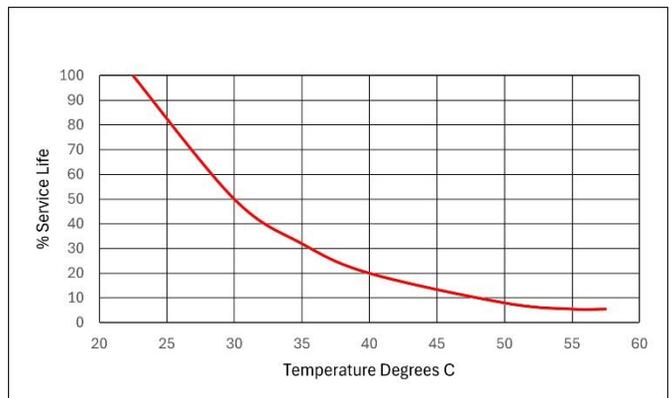
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



*Product specifications are subject to change without further notice. Please contact the Manufacturer to obtain the latest information.

BPC Energy Limited BPC House, Romsey Industrial Estate, Greatbridge Road,
Romsey, Hampshire, SO51 0HR, UK
Telephone: +44 (0) 1794 521200 Fax: +44(0) 1794 521200 e-mail: sales@bpc-ups.com
www.bpc-ups.com

Company Reg No: 8823160 Company VAT No: GB 177265088

