

BPC POWERSTOR BATTERY RANGE

PSLW 1500 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	55Ah	
DIMENSIONS	WIDTH	138mm
	DEPTH	230mm
	HEIGHT	212mm
WEIGHT	16.5kgs	
INTERNAL RESISTANCE @ 25°C	8.6 mOhm	
CHARGE	Max. 13.8A ; Recom. 5.5A	
MAX. DISCHARGE CURRENT	660A (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	194	149	104	63.3	50.2	37.0	29.1	21.2	15.4	10.3	6.79	5.72	3.00
1.65V	188	145	101	62.3	49.6	36.8	29.0	21.1	15.3	10.2	6.74	5.67	2.99
1.70V	180	139	98.8	61.2	48.9	36.5	28.8	21.0	15.0	10.1	6.68	5.61	2.97
1.75V	166	131	95.6	60.6	48.3	36.0	28.3	20.6	14.9	10.0	6.63	5.56	2.96
1.80V	149	119	89.1	58.0	46.6	35.1	27.7	20.3	14.8	9.76	6.58	5.50	2.94

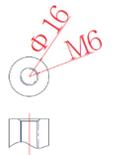
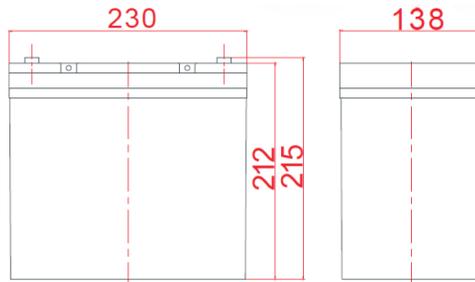
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	325	254	183	115	92.5	70.0	55.1	40.2	29.3	19.6	13.2	11.0	5.94
1.65V	313	247	180	114	91.8	69.5	54.8	40.0	28.9	19.5	13.1	10.9	5.91
1.67V	312	246	179	114	91.65	69.2	54.6	39.95	28.85	19.45	13.05	10.85	5.9
1.70V	311	245	178	114	91.5	68.9	54.4	39.9	28.8	19.4	13.0	10.8	5.89
1.75V	290	234	177	113	90.7	68.4	54.1	39.7	28.6	19.2	12.9	10.7	5.86
1.80V	266	217	167	110	89.0	67.9	53.8	39.6	28.5	19.0	12.8	10.6	5.83

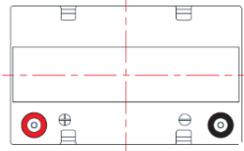
*Product specifications are subject to change without further notice. Please contact the Manufacturer to obtain the latest information.



*Product may differ from image



Terminal Dimensions



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

	59.2Ah	20 Hour Rate (2.96A to 10.5V)
RATED CAPACITY	55.6Ah	10 Hour Rate (5.56A to 10.5V)
	50Ah	5 Hour Rate (10.0A to 10.5V)



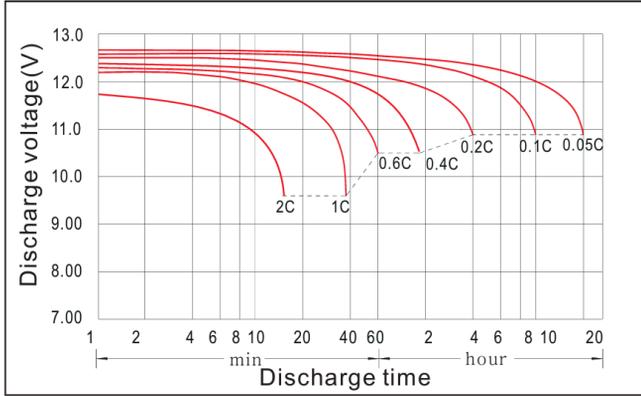
BPC Energy Limited BPC House, Romsey Industrial Estate, Greatbridge Road,
 Romsey, Hampshire, SO51 0HR, UK
 Telephone: +44 (0) 1794 521200 Fax: +44(0) 1794 521200 e-mail: sales@bpc-ups.com
www.bpc-ups.com
 Company Reg No: 8823160 Company VAT No: GB 177265088



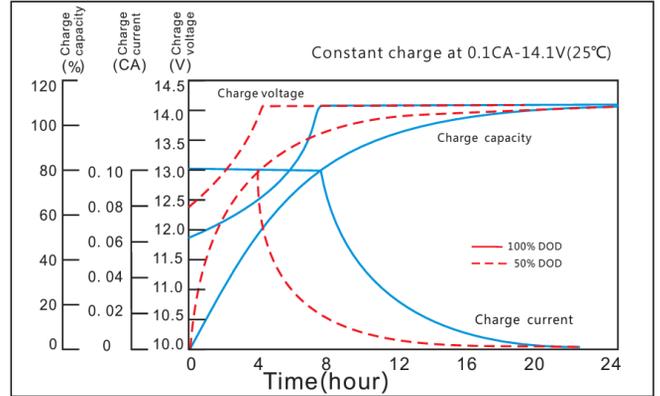
BPC POWERSTOR BATTERY RANGE

PSLW 1500 INDUSTRIAL VRLA SEALED LEAD BATTERY

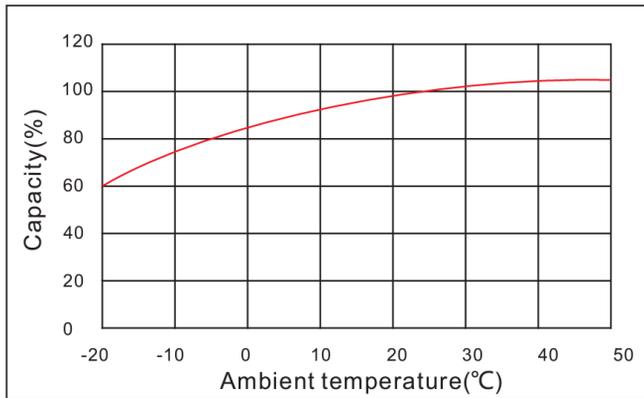
Discharge characteristic



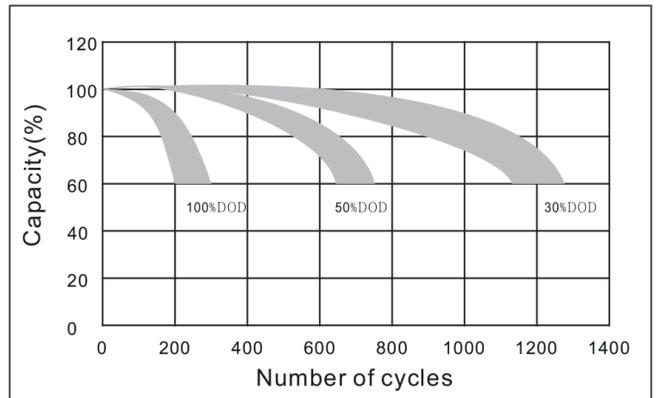
Charging characteristic



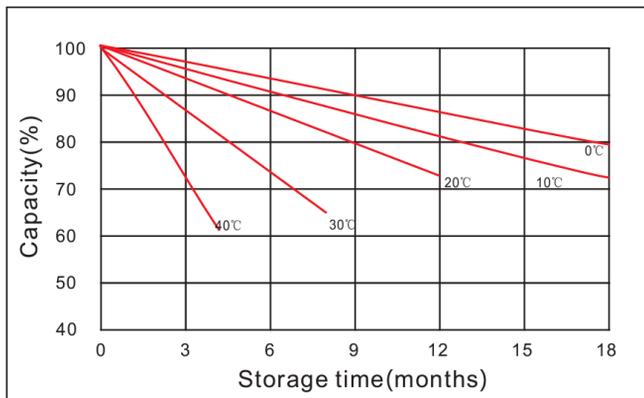
The effect of temperature on capacity



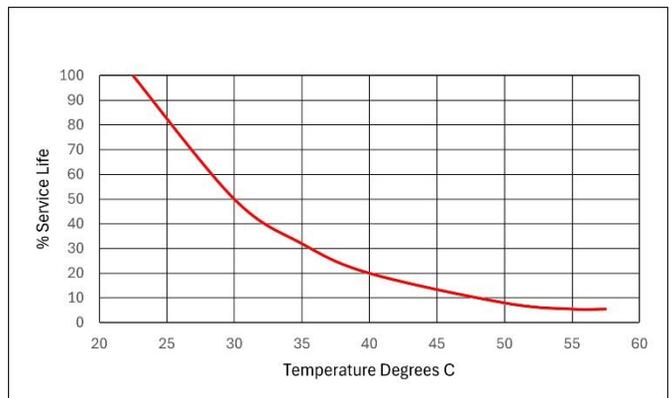
The effect of discharge depth on cycle life



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

