

# BPC POWERSTOR BATTERY RANGE

## PSLW 4800 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)

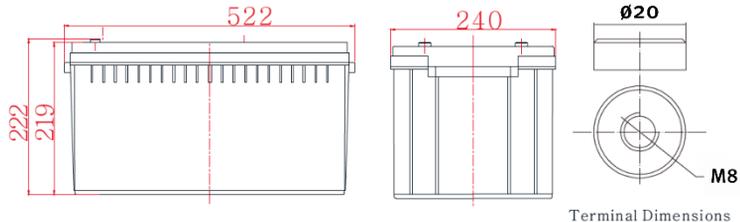
### TECHNICAL SPECIFICATION

NOMINAL VOLTAGE	12V	
NOMINAL CAPACITY	200Ah	
DIMENSIONS	WIDTH	240mm
	DEPTH	522mm
	HEIGHT	219mm
WEIGHT	57.0kgs	
INTERNAL RESISTANCE @ 25°C	4.0 mOhm	
CHARGE	Max. 50A ; Recom. 20A	
MAX. DISCHARGE CURRENT	2400A (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



*\*Product may differ from image*



Terminal Dimensions

Recommended Torque Setting: 9.6 – 10.7Nm

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

	216Ah	20 Hour Rate (10.8A to 10.5V)
<b>RATED CAPACITY</b>	202h	10 Hour Rate (20.2A to 10.5V)
	182.5Ah	5 Hour Rate (36.5A to 10.5V)

### Constant Current Discharge Characteristics (Amps @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	705	470	379	230	166	135	84.6	77.2	56.1	37.6	24.7	20.8	10.9
1.65V	683	466	367	226	164	134	83.8	76.8	55.5	37.2	24.5	20.6	10.9
1.70V	656	463	359	222	163	133	83.0	76.2	54.7	36.8	24.3	20.4	10.8
1.75V	603	456	348	221	161	131	82.1	75.1	54.1	36.5	24.1	20.2	10.8
1.80V	541	445	324	211	157	128	81.3	73.7	53.7	35.5	23.9	20.0	10.7

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

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	1181	796	667	417	306	255	169	146	107	71.3	48.0	40.0	21.6
1.65V	1136	789	655	413	304	253	167	146	105	71.0	47.6	39.6	21.5
1.67V	1133.5	786	651	413	302.5	252	166	145.5	105	70.7	47.5	47.5	21.45
1.70V	1131	783	647	413	301	251	165	145	105	70.4	47.4	39.2	21.4
1.75V	1054	777	643	411	299	249	164	144	104	70.0	47.0	38.8	21.3
1.80V	968	771	608	401	296	247	162	144	104	69.2	46.6	38.4	21.2

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

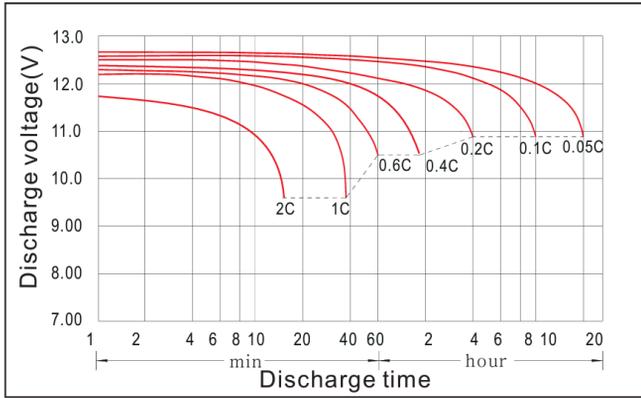
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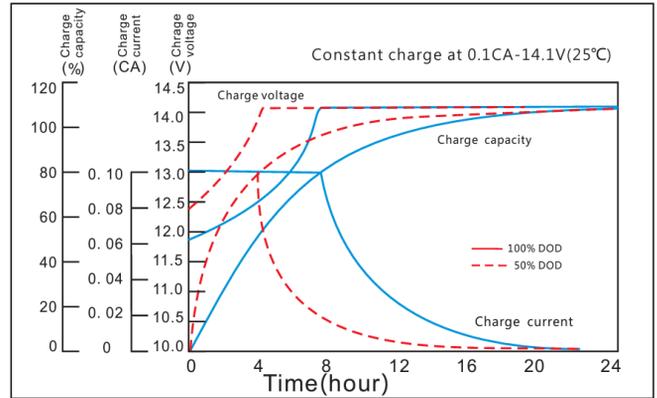
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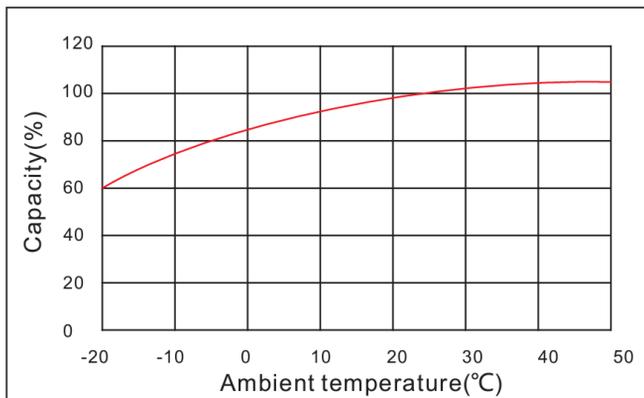
### Discharge characteristic



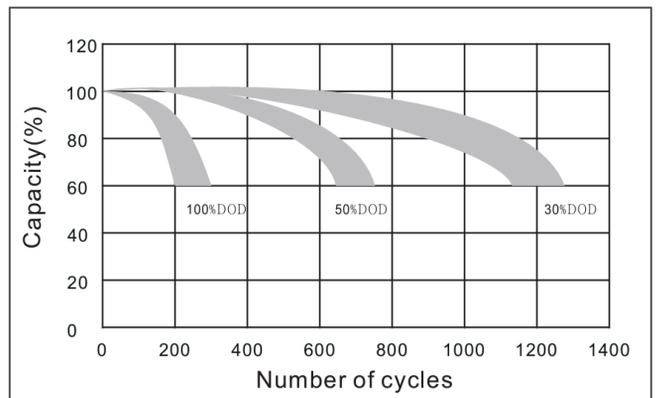
### Charging characteristic



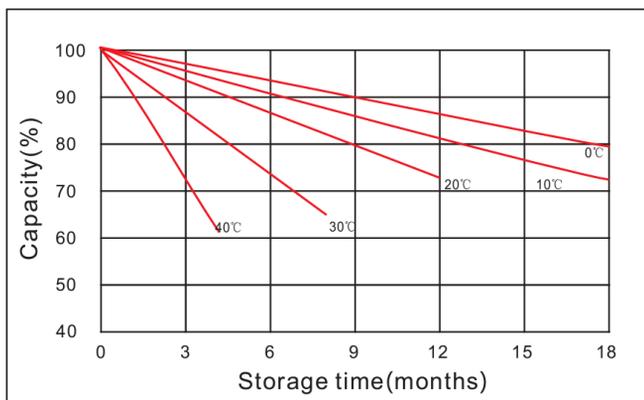
### The effect of temperature on capacity



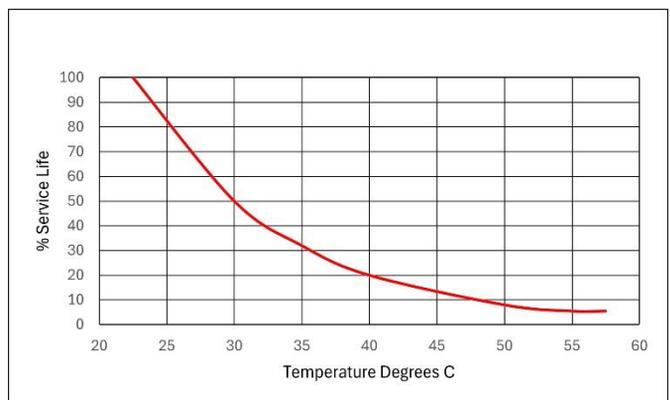
### The effect of discharge depth on cycle life



### Curves of self-discharge



### The effect of temperature on service life



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