

# BPC POWERSTOR BATTERY RANGE

## PSLW 3400 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	150Ah	
DIMENSIONS	WIDTH	170mm
	DEPTH	484mm
	HEIGHT	241mm
WEIGHT	42kgs	
INTERNAL RESISTANCE @ 25°C	4.8 mOhm	
CHARGE	Max. 37.5A ; Recom. 15A	
MAX. DISCHARGE CURRENT	1800A (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	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	503	334	270	164	118	96.0	60.2	55.0	39.9	26.8	17.6	14.8	7.61
1.65V	486	331	261	162	117	95.0	59.8	54.7	39.5	26.5	17.5	14.7	7.58
1.70V	467	331	256	159	117	95.0	59.0	54.3	39.0	26.2	17.3	14.5	7.53
1.75V	429	325	248	157	114	93.3	58.6	53.5	38.6	25.9	17.2	14.4	7.50
1.80V	386	316	231	150	112	90.9	58.2	52.5	38.3	25.3	17.0	14.3	7.47

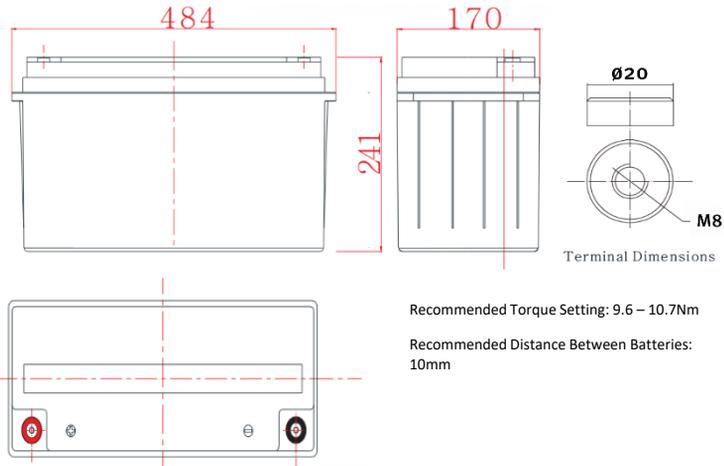
### Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	842	565	475	297	217	181	120	105	76.0	50.8	34.2	28.5	15.1
1.65V	809	562	466	295	216	180	119	104	75.0	50.5	33.9	28.2	15.0
1.67V	807.5	560	464	295	215.5	179.5	118.5	104	74.8	50.35	33.85	28.05	14.95
1.70V	806	558	462	295	215	179	118	104	74.6	50.2	33.8	27.9	14.9
1.75V	751	555	459	293	214	178	116	103	74.2	49.9	33.5	27.6	14.9
1.80V	690	549	433	286	211	176	116	103	73.9	49.3	33.3	27.4	14.8

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



\*Product may differ from image



### Standards:

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

	150Ah	20 Hour Rate (7.5A to 10.5V)
RATED CAPACITY	144Ah	10 Hour Rate (14.4A to 10.5V)
	129.4Ah	5 Hour Rate (25.9A to 10.5V)



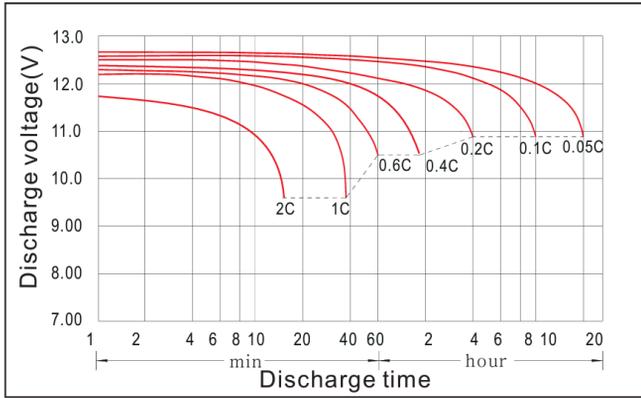
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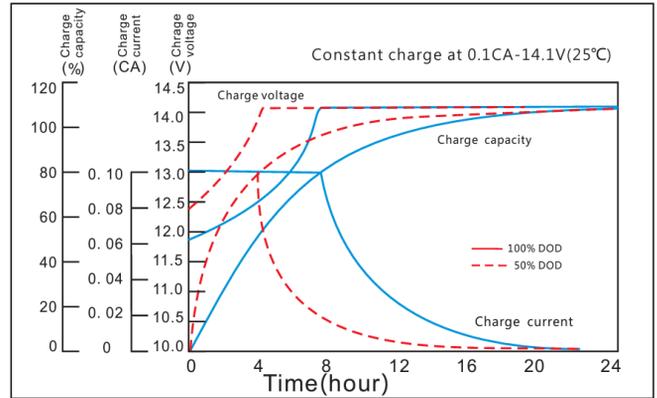
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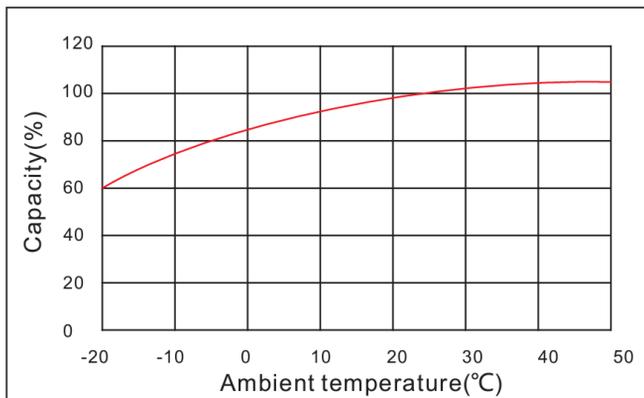
### Discharge characteristic



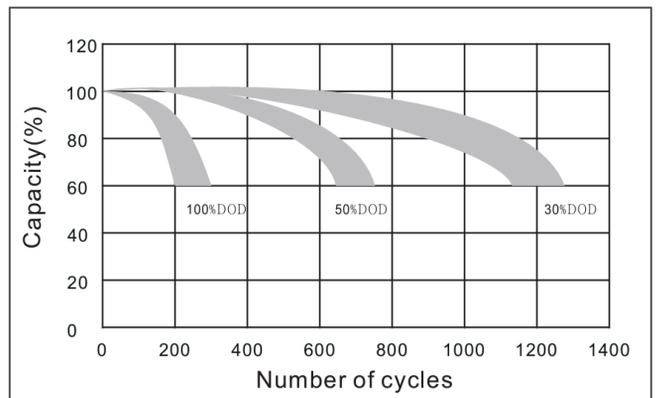
### Charging characteristic



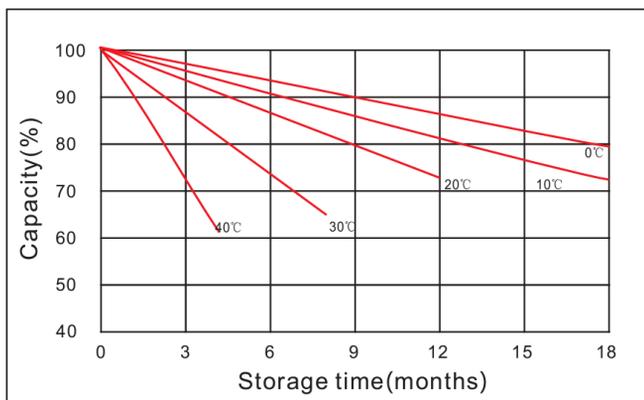
### The effect of temperature on capacity



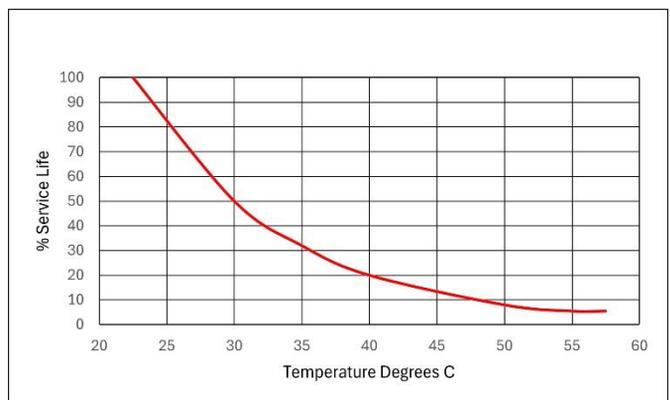
### The effect of discharge depth on cycle life



### Curves of self-discharge



### The effect of temperature on service life



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