

BPC POWERSTOR BATTERY RANGE

PSLW 900 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)

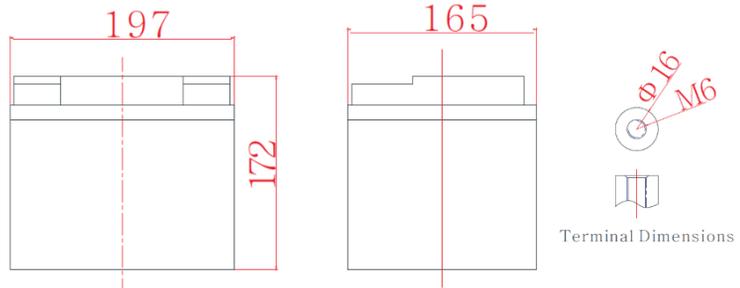
TECHNICAL SPECIFICATION

NOMINAL VOLTAGE	12V	
NOMINAL CAPACITY	33Ah	
DIMENSIONS	WIDTH	165mm
	DEPTH	197mm
	HEIGHT	172mm
WEIGHT	10.0kgs	
INTERNAL RESISTANCE @ 25°C	13.0 mOhm	
CHARGE	Max. 8.25A ; Recom. 3.3A	
MAX. DISCHARGE CURRENT	396A (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

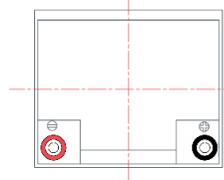


*Product may differ from image



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

	35.6Ah	20 Hour Rate (1.78A to 10.5V)
RATED CAPACITY	33.3Ah	10 Hour Rate (3.33A to 10.5V)
	30.1Ah	5 Hour Rate (6.02A to 10.5V)

Constant Current Discharge Characteristics (Amps @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5h	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	116	89.3	62.5	38.0	30.1	22.2	17.5	12.7	9.25	6.21	4.08	3.43	1.80
1.65V	113	86.8	60.6	37.4	29.8	22.1	17.4	12.7	9.15	6.14	4.04	3.43	1.79
1.70V	108	83.7	59.3	36.7	29.3	21.9	17.3	12.6	9.02	6.08	4.01	3.37	1.78
1.75V	100	78.7	57.3	36.4	29.0	21.6	17.0	12.4	8.93	6.02	3.98	3.33	1.78
1.80V	89.2	71.4	53.5	34.8	28.0	21.1	16.7	12.2	8.86	5.85	3.95	3.30	1.77

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

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	195	153	110	68.8	55.4	42.0	33.1	24.1	17.6	11.8	7.92	6.60	3.56
1.65V	188	148	108	68.1	54.9	41.7	32.9	24.0	17.4	11.7	7.86	6.53	3.55
1.67V	191.5	150.05	109	68.45	55.15	41.85	33	24.05	17.5	11.75	7.89	6.57	3.56
1.70V	187	147	107	68.1	54.8	41.4	32.7	23.9	17.3	11.6	7.82	6.47	3.53
1.75V	174	140	106	67.8	54.4	41.0	32.4	23.8	17.2	11.5	7.79	6.40	3.51
1.80V	160	130	100	66.2	53.5	40.7	32.2	23.7	17.1	11.4	7.69	6.34	3.50

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

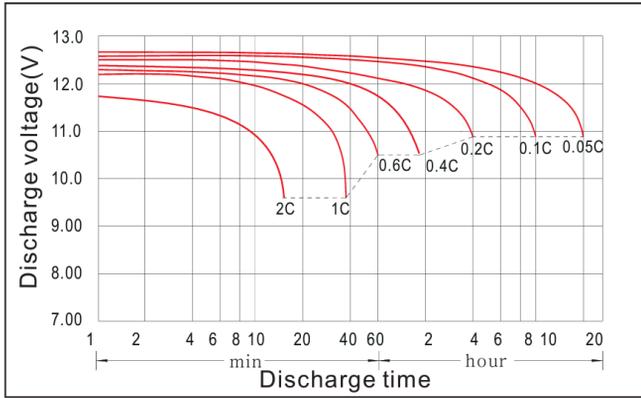
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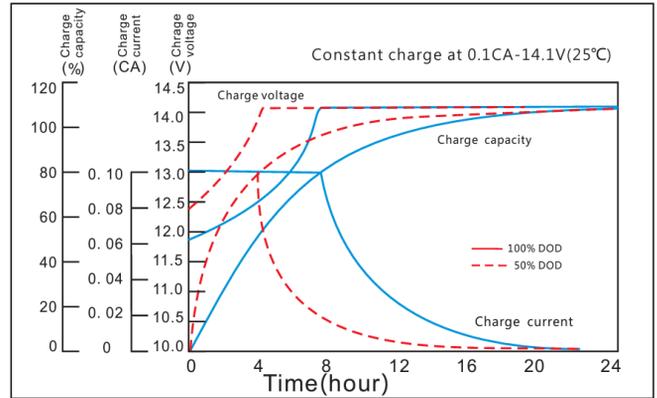
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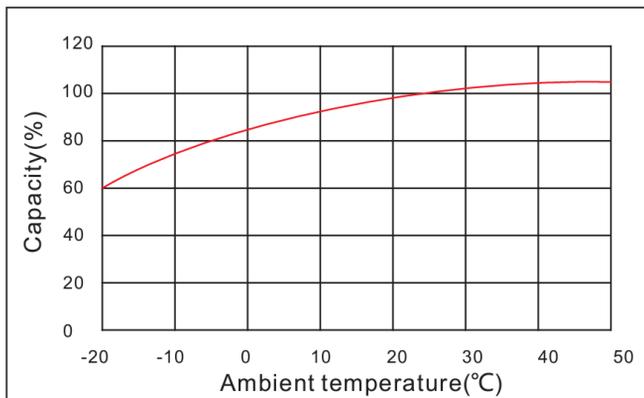
Discharge characteristic



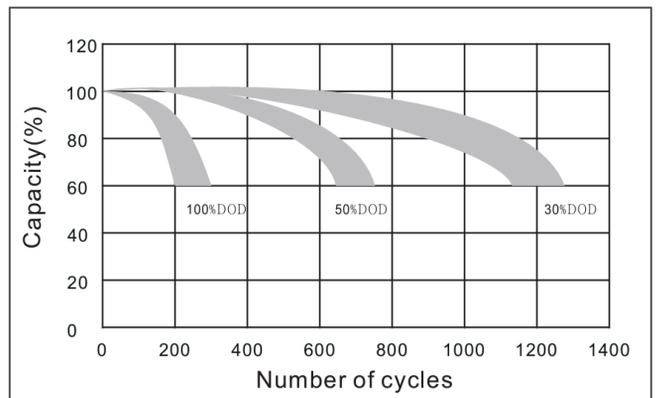
Charging characteristic



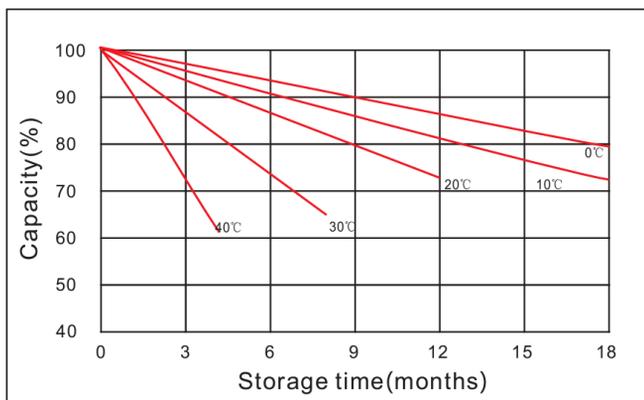
The effect of temperature on capacity



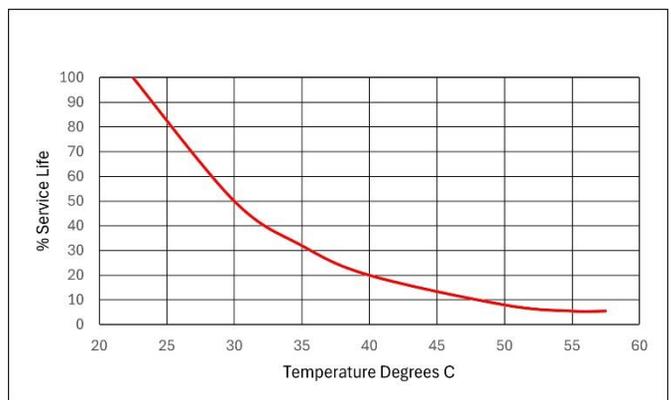
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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