

BPC POWERSTOR BATTERY RANGE

PSLW 1550 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	65Ah	
DIMENSIONS	WIDTH	166mm
	DEPTH	350mm
	HEIGHT	175mm
WEIGHT	19.2kgs	
INTERNAL RESISTANCE @ 25°C	7.5 mOhm	
CHARGE	Max. 16.3A ; Recom. 6.5A	
MAX. DISCHARGE CURRENT	780A (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	229	152	123	74.8	53.7	43.8	27.5	25.1	18.2	12.2	8.03	6.76	3.55
1.65V	222	151	119	73.6	53.4	43.5	27.2	25.0	18.0	12.1	7.96	6.70	3.53
1.70V	213	150	117	72.3	53.0	43.2	27.0	24.8	17.8	12.0	7.90	6.63	3.51
1.75V	196	148	113	71.7	52.3	42.6	26.7	24.4	17.6	11.8	7.83	6.57	3.50
1.80V	176	144	105	68.5	50.9	41.5	26.4	24.0	17.5	11.5	7.77	6.50	3.48

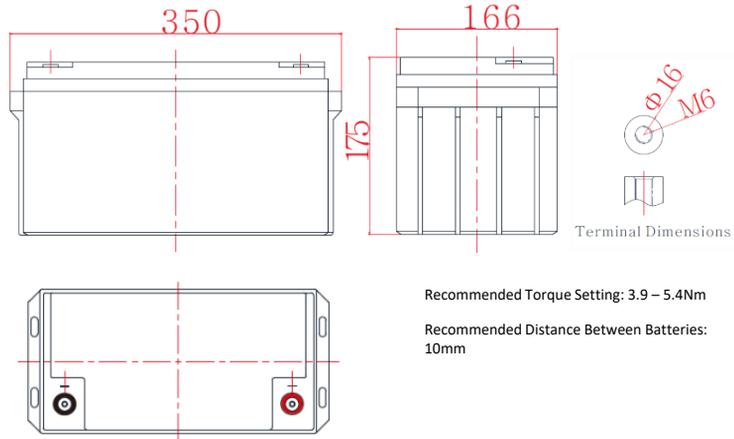
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	384	258	217	135	99.2	82.7	54.9	47.5	34.7	23.2	15.6	13.0	7.02
1.65V	369	256	213	134	98.5	82.1	54.4	47.3	34.2	23.1	15.5	12.9	6.99
1.67V	368	255	211.5	134	98.15	81.8	54.0	47.2	34.1	23.0	15.45	12.8	6.98
1.70V	367	254	210	134	97.8	81.5	53.6	47.1	34.0	22.9	15.4	12.7	6.96
1.75V	343	252	209	134	97.0	80.8	53.2	46.9	33.8	22.7	15.3	12.6	6.92
1.80V	315	250	198	130	96.2	80.2	52.8	46.8	33.7	22.5	15.2	12.5	6.89

*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

	70Ah	20 Hour Rate (3.5A to 10.5V)
RATED CAPACITY	65.7Ah	10 Hour Rate (6.57A to 10.5V)
	59Ah	5 Hour Rate (11.8A to 10.5V)



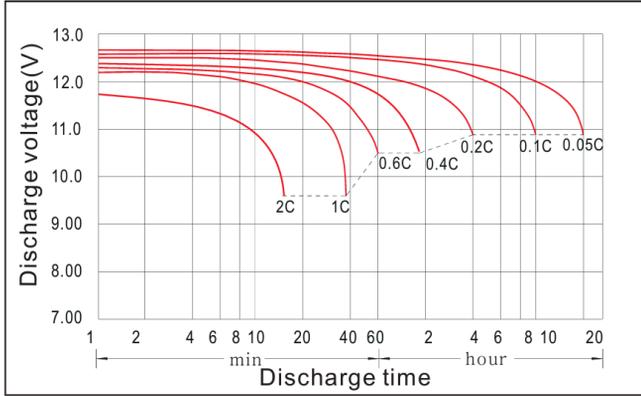
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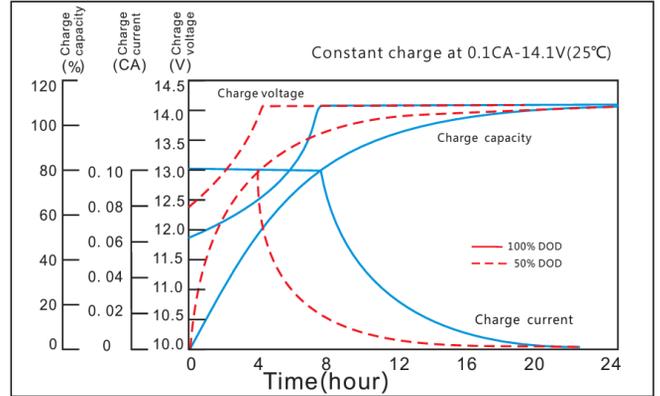
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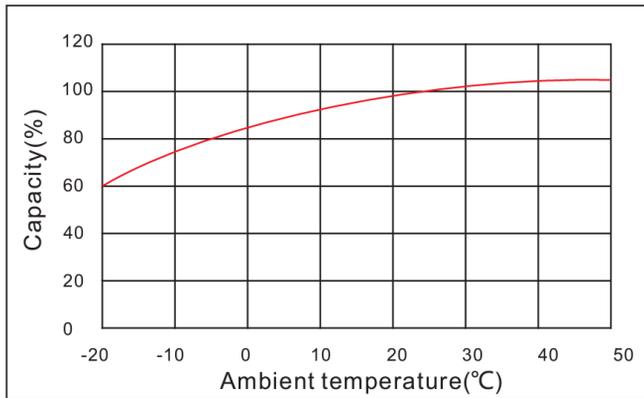
Discharge characteristic



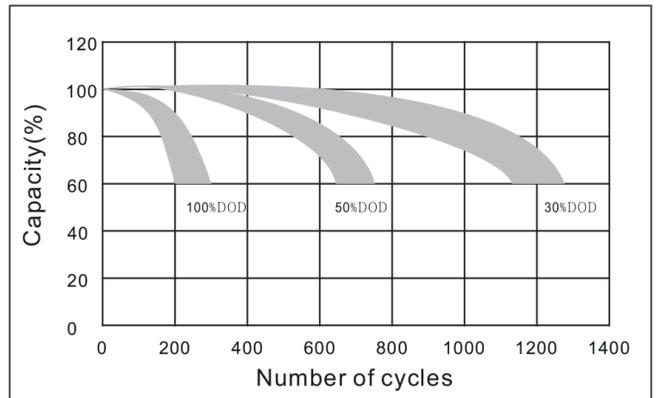
Charging characteristic



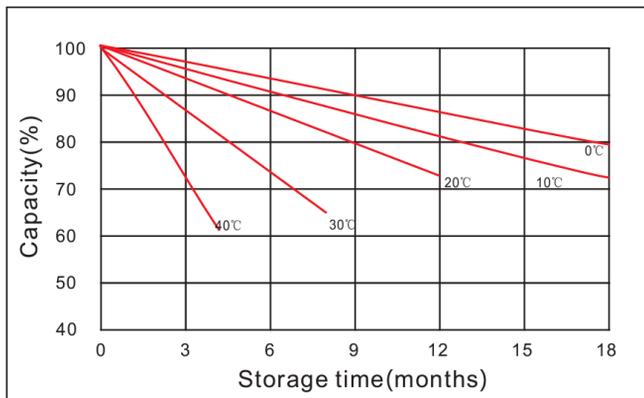
The effect of temperature on capacity



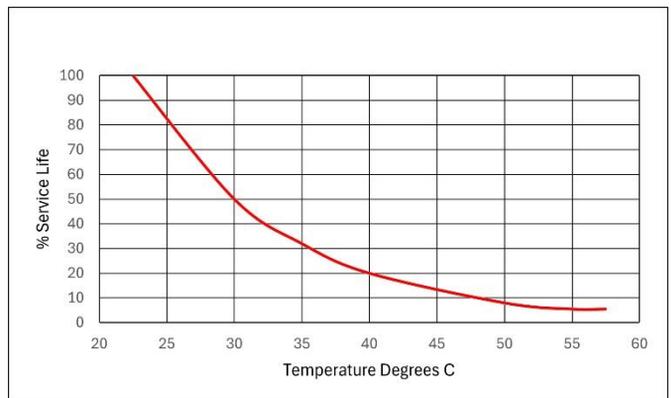
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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