

BPC POWERSTOR BATTERY RANGE

PSLW 2400 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	100Ah	
DIMENSIONS	WIDTH	171mm
	DEPTH	330mm
	HEIGHT	216mm
WEIGHT	28kgs	
INTERNAL RESISTANCE @ 25°C	5 mOhm	
CHARGE	Max. 25A ; Recom. 10A	
MAX. DISCHARGE CURRENT	1200A (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

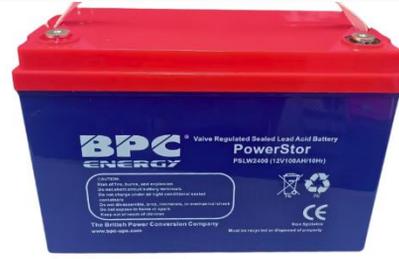
Constant Current Discharge Characteristics (Amps @ 25°C)

	5m	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	352	189	115	67.3	38.6	28.0	18.8	12.4	10.4	5.46
1.65V	342	184	113	66.9	38.4	27.7	18.6	12.3	10.3	5.43
1.70V	328	180	111	66.4	38.1	27.3	18.4	12.2	10.2	5.40
1.75V	302	174	110	65.5	37.5	27.0	18.2	12.1	10.1	5.38
1.80V	270	162	105	63.8	36.8	26.9	17.7	12.0	10.0	5.35

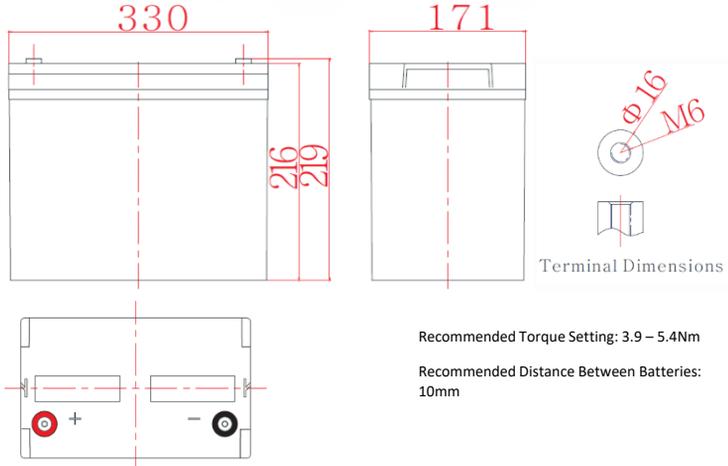
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	591	333	208	127	73.0	53.3	35.7	24.0	20.0	10.8
1.65V	568	328	206	126	72.8	52.6	35.5	23.8	19.8	10.8
1.67V	566.5	326	206	125.5	72.65	52.45	35.35	23.75	19.7	10.8
1.70V	565	324	206	125	72.5	52.3	35.2	23.7	19.6	10.7
1.75V	527	322	205	124	72.1	52.0	35.0	23.5	19.4	10.7
1.80V	484	304	201	123	71.9	51.8	34.6	23.3	19.2	10.6

*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

	107.6Ah	20 Hour Rate (5.38A to 10.5V)
RATED CAPACITY	101Ah	10 Hour Rate (10.1A to 10.5V)
	91Ah	5 Hour Rate (18.2A to 10.5V)



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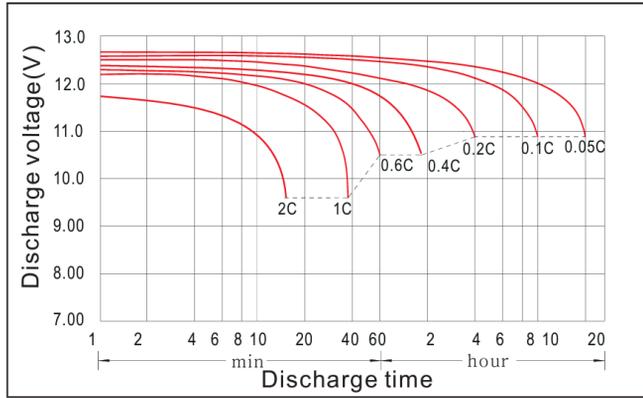
Company Reg No: 8823160 Company VAT No: GB 177265088



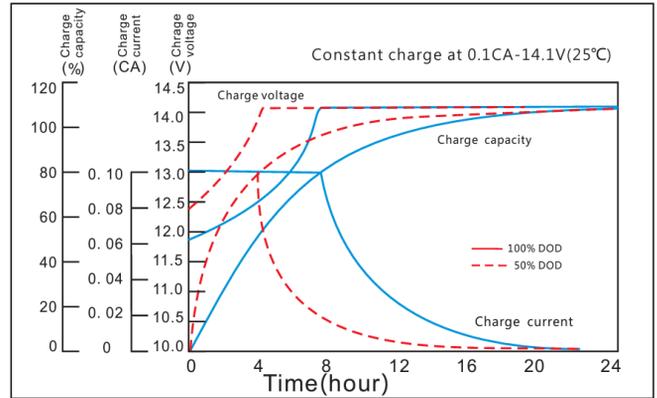
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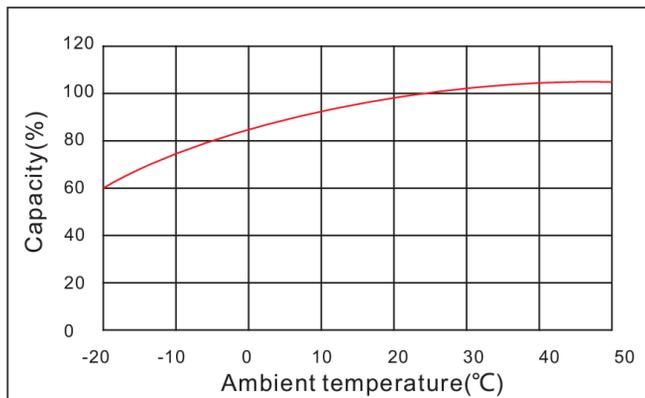
Discharge characteristic



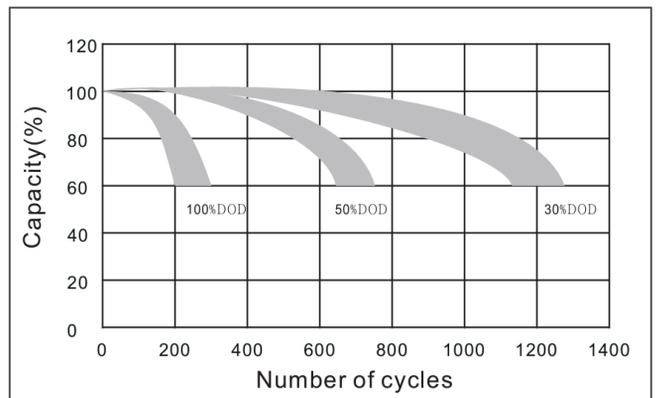
Charging characteristic



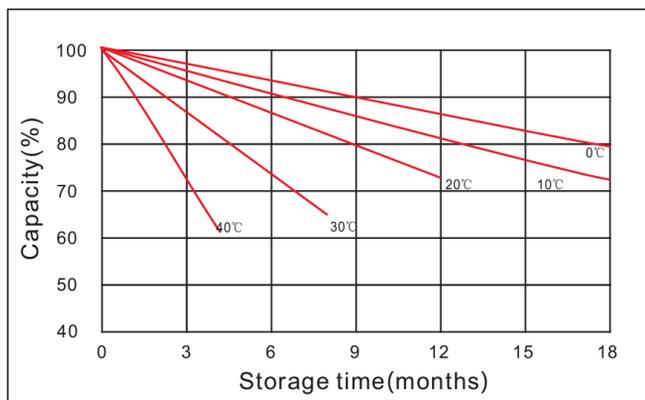
The effect of temperature on capacity



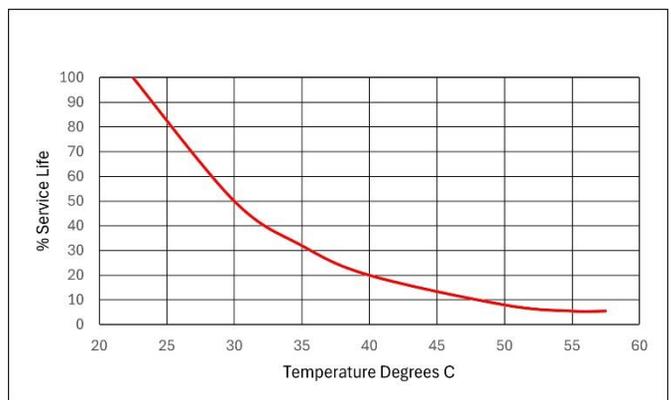
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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