

BPC POWERSTOR BATTERY RANGE

PSLW 2650 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	110Ah	
DIMENSIONS	WIDTH	171mm
	DEPTH	330mm
	HEIGHT	216mm
WEIGHT	32kgs	
INTERNAL RESISTANCE @ 25°C	5 mOhm	
CHARGE	Max. 27.5A ; Recom. 11A	
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	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	381	253	204	124	89.2	72.7	47.9	41.7	30.3	20.3	13.3	11.4	6.09
1.65V	369	252	198	122	88.7	72.3	47.5	41.5	30.0	20.1	13.2	11.3	6.05
1.70V	354	250	194	120	88.1	71.8	47.0	41.2	29.5	19.9	13.1	11.2	6.02
1.75V	326	246	188	119	86.7	70.7	46.6	40.5	29.2	19.7	13.0	11.1	6.00
1.80V	292	240	175	114	84.5	68.9	46.2	39.8	29.0	19.2	12.9	11.0	5.97

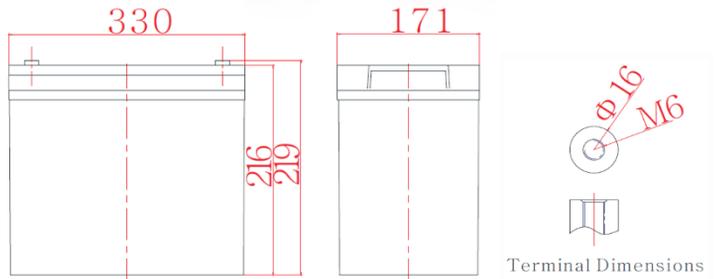
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	638	446	390	233	172	143	94.5	81.8	59.7	40.0	26.9	22.4	12.1
1.65V	614	440	383	231	169	141	93.7	81.6	58.9	39.7	26.7	22.2	12.0
1.67V	612	438.5	381	231	168.5	140.5	93.25	81.4	58.75	39.55	26.65	22.1	12.0
1.70V	610	437	379	231	168	140	92.8	81.2	58.6	39.4	26.6	22.0	12.0
1.75V	569	434	376	231	167	139	91.6	80.8	58.3	39.2	26.3	21.7	11.9
1.80V	523	431	356	225	166	138	90.7	80.6	58.1	38.7	26.1	21.5	11.9

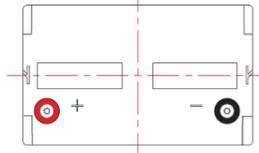
*Product specifications are subject to change without further notice. Please contact the Manufacturer to obtain the latest information.



*Product may differ from image



Terminal Dimensions



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

	120Ah	20 Hour Rate (6A to 10.5V)
RATED CAPACITY	111Ah	10 Hour Rate (11.1A to 10.5V)
	98.5Ah	5 Hour Rate (19.7A to 10.5V)



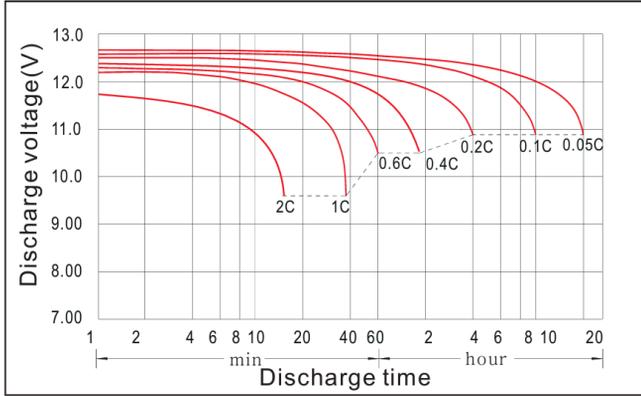
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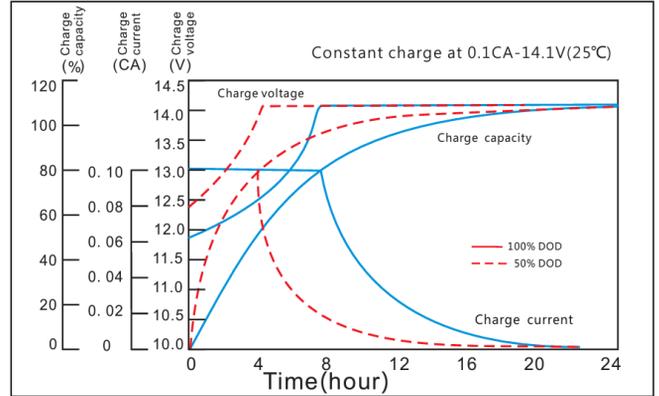
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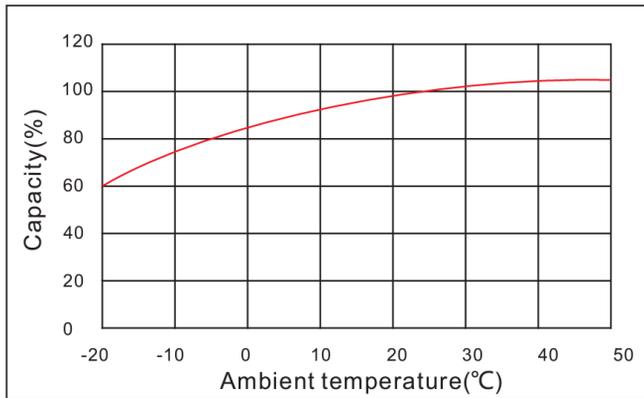
Discharge characteristic



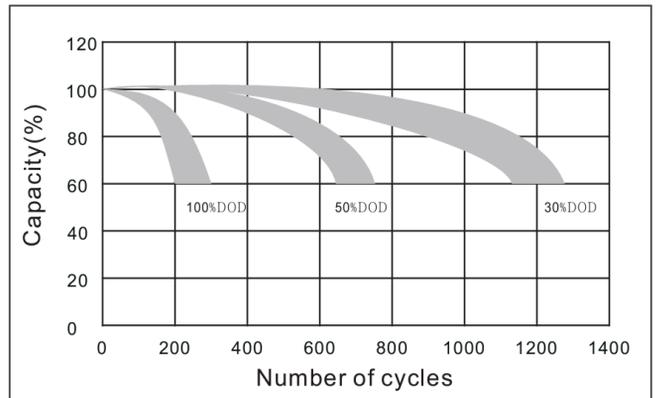
Charging characteristic



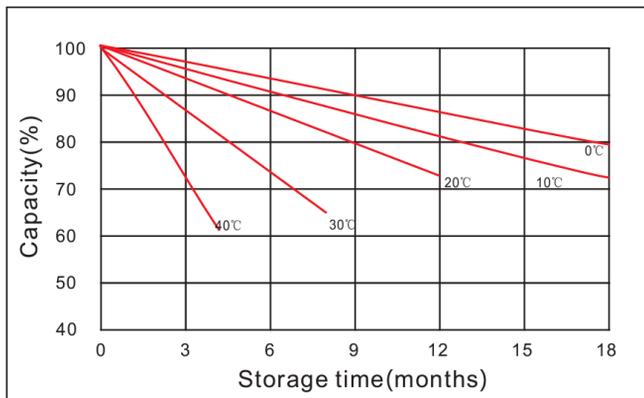
The effect of temperature on capacity



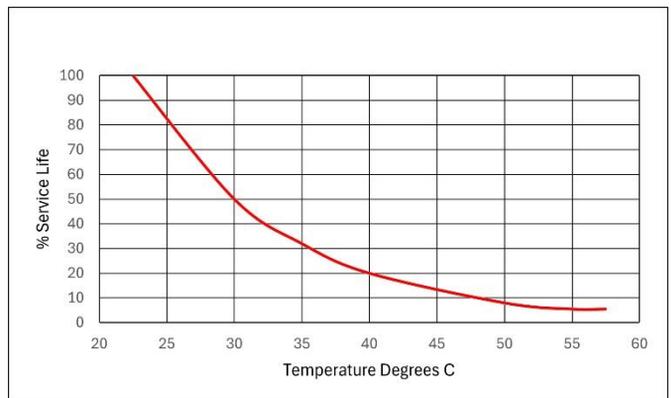
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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