

BPC POWERSTOR BATTERY RANGE

PSLW 3200 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	135Ah	
DIMENSIONS	WIDTH	173mm
	DEPTH	341mm
	HEIGHT	281mm
WEIGHT	41.5kgs	
INTERNAL RESISTANCE @ 25°C	4.0 mOhm	
CHARGE	Max. 35A ; Recom. 13.5A	
MAX. DISCHARGE CURRENT	1440A (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	476	316	256	155	112	90.9	58.8	52.1	37.8	25.4	16.7	14.0	7.37
1.65V	461	315	248	153	111	90.4	58.4	51.9	37.4	25.1	16.5	13.9	7.33
1.70V	443	312	243	150	110	89.7	57.8	51.5	36.9	25.0	16.4	13.8	7.29
1.75V	407	308	235	148	108	88.4	57.3	50.7	36.5	24.6	16.3	13.6	7.26
1.80V	365	300	219	142	106	86.1	56.7	49.7	36.3	23.9	16.1	13.5	7.22

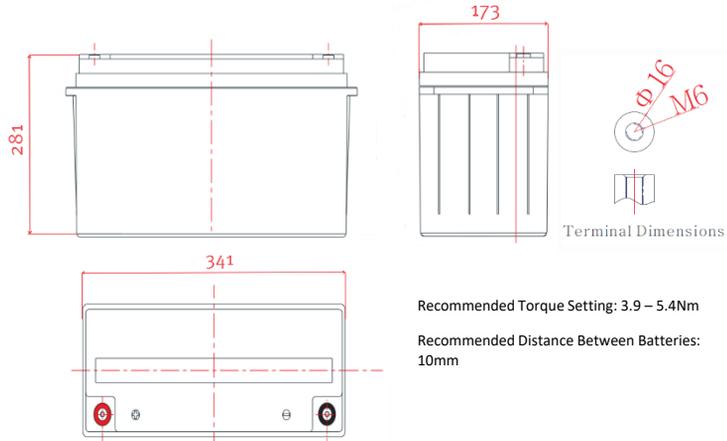
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	798	537	450	281	206	172	114	98.6	72.0	48.2	32.4	27.0	14.6
1.65V	767	534	442	279	205	171	113	98.3	71.0	47.9	32.1	26.7	14.5
1.67V	765	530.5	439.5	278.5	204	170	112.5	98.1	70.8	47.7	32.05	26.6	14.45
1.70V	763	527	437	278	203	169	112	97.9	70.6	47.5	32.0	26.5	14.4
1.75V	712	524	434	277	202	168	111	97.4	70.3	47.2	31.7	26.2	14.4
1.80V	654	521	411	271	200	167	109	97.1	70.0	46.7	31.5	25.9	14.3

*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

RATED CAPACITY	145.2Ah	20 Hour Rate (7.26A to 10.5V)
	136h	10 Hour Rate (13.6A to 10.5V)
	123Ah	5 Hour Rate (24.6A to 10.5V)



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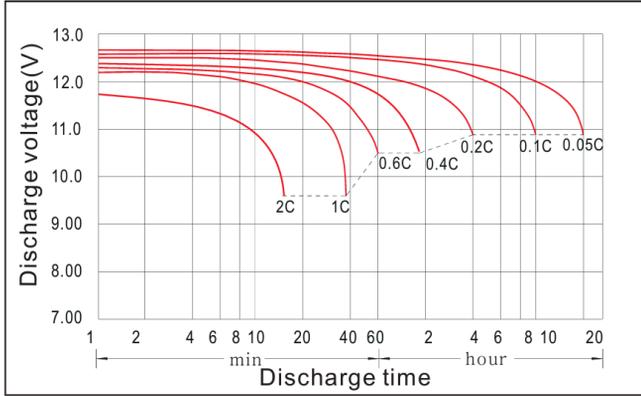
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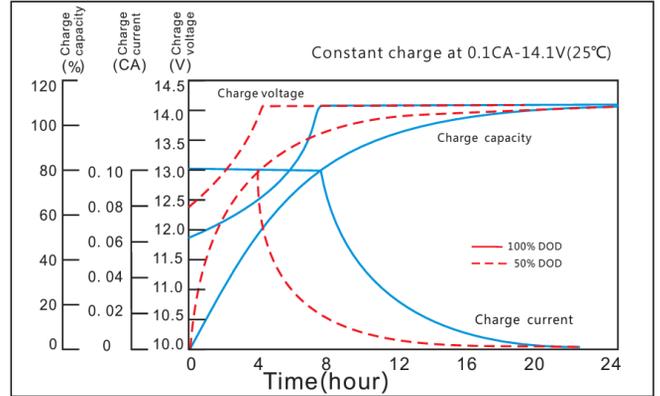
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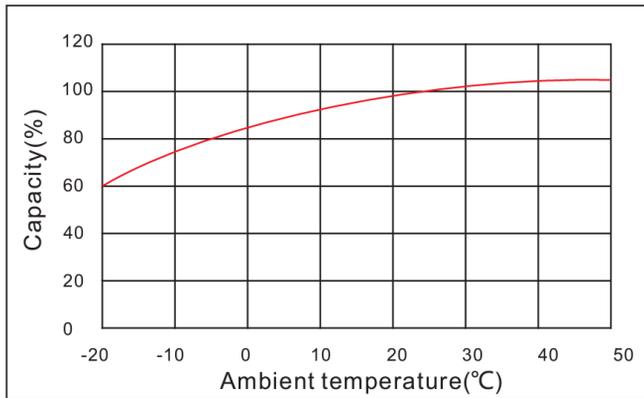
Discharge characteristic



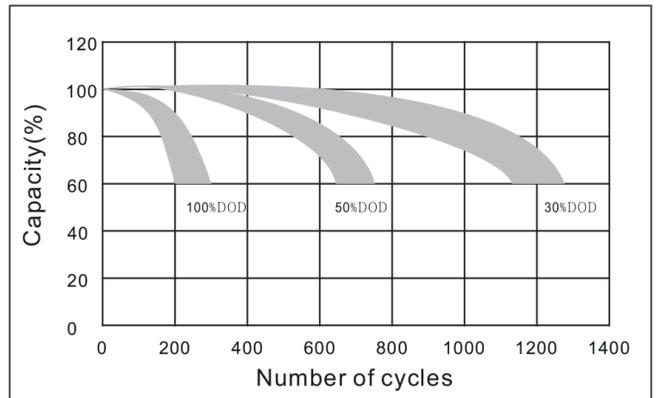
Charging characteristic



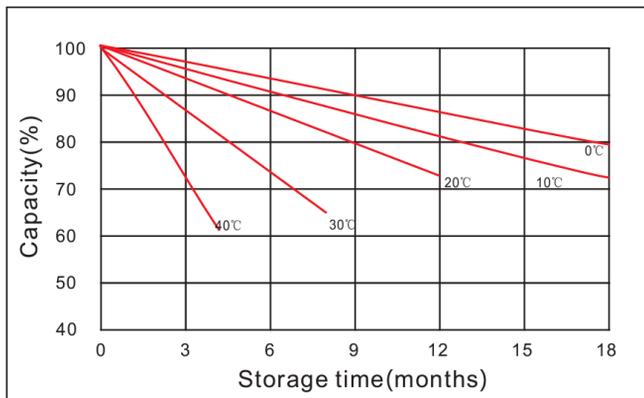
The effect of temperature on capacity



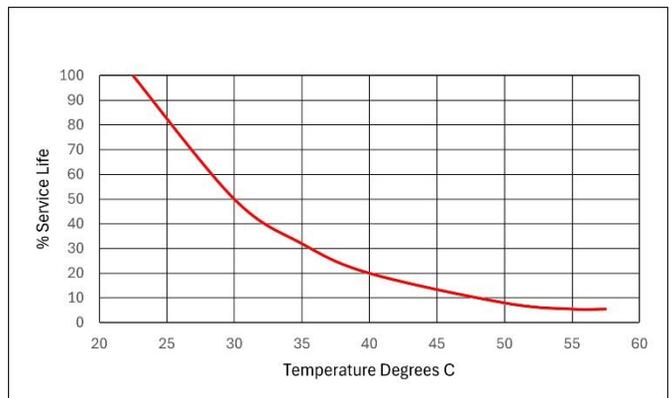
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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