

BPC POWERSTOR BATTERY RANGE

PSLWGEL 240 INDUSTRIAL VRLA SEALED LEAD BATTERY

GENERAL FEATURES

- Enhanced battery performance due to GEL technology and high tin positive plate alloy
- Excellent charge acceptance ability
- Exceptional deep cycle discharge capability
- Superior 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	9Ah	
DIMENSIONS	WIDTH	65
	DEPTH	152
	HEIGHT	94
	WEIGHT	2.54kgs
INTERNAL RESISTANCE @ 25°C	21.0 mOhm	
CHARGE	Max. 2.25A : Recom. 0.90A	
MAX. DISCHARGE CURRENT	135A (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	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	34.6	22.6	16.8	11.0	5.82	3.33	2.43	1.95	1.66	1.09	0.89	0.48
1.65V	34.3	21.7	15.5	10.5	5.47	3.20	2.36	1.89	1.62	1.08	0.88	0.47
1.70V	28.1	20.3	14.4	10.2	5.29	3.14	2.32	1.79	1.61	1.06	0.86	0.46
1.75V	26.1	19.4	13.4	9.93	5.11	3.06	2.28	1.76	1.53	1.03	0.84	0.45
1.80V	24.0	18.2	12.5	9.60	4.93	2.98	2.16	1.73	1.47	1.01	0.82	0.43

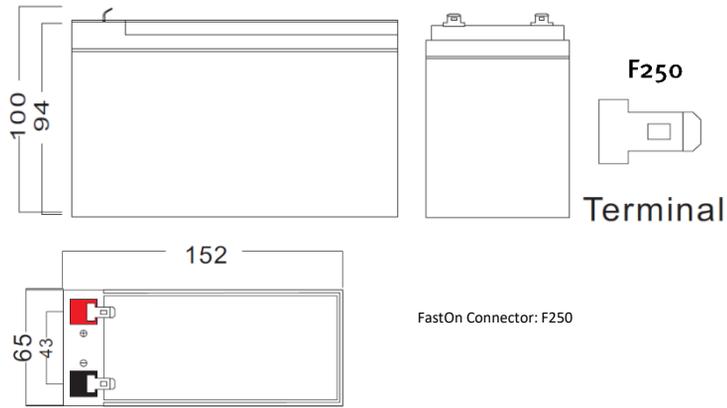
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	1hr	2hr	3hr	4hr	5hr	8hr	10hr	20hr
1.60V	64.9	40.7	30.8	18.7	10.7	6.25	4.60	3.69	3.13	2.06	1.72	0.94
1.65V	59.8	38.6	29.0	18.5	10.0	6.01	4.47	3.57	3.07	2.03	1.69	0.92
1.67V	57.25	38	28.3	18.5	9.87	5.95	4.44	3.49	3.03	2.02	1.68	0.92
1.70V	54.7	37.4	27.6	18.5	9.73	5.89	4.40	3.40	2.98	2.01	1.67	0.91
1.75V	49.6	36.2	26.6	18.3	9.45	5.76	4.34	3.35	2.93	1.93	1.63	0.89
1.80V	44.5	35.1	25.5	18.1	9.32	5.72	4.22	3.32	2.85	1.87	1.60	0.89

*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

	9Ah	20 Hour Rate (0.45A to 10.5V)
RATED CAPACITY	8.4Ah	10 Hour Rate (0.842A to 10.5V)
	7.65Ah	5 Hour Rate (1.53A to 10.5V)



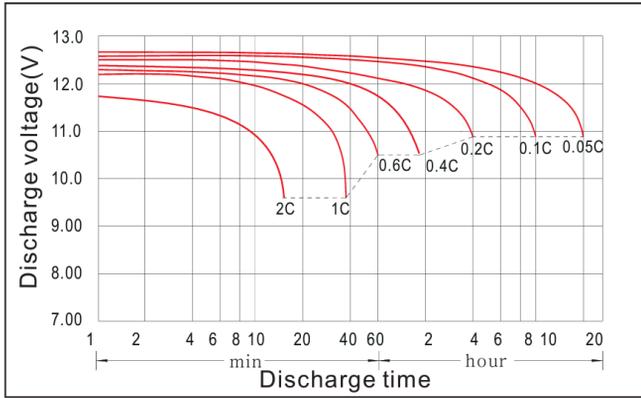
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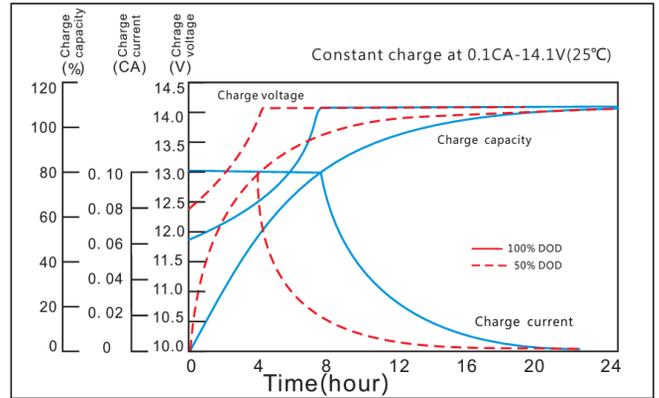
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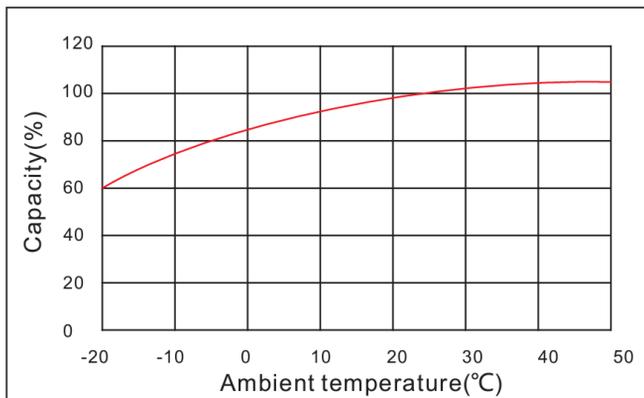
Discharge characteristic



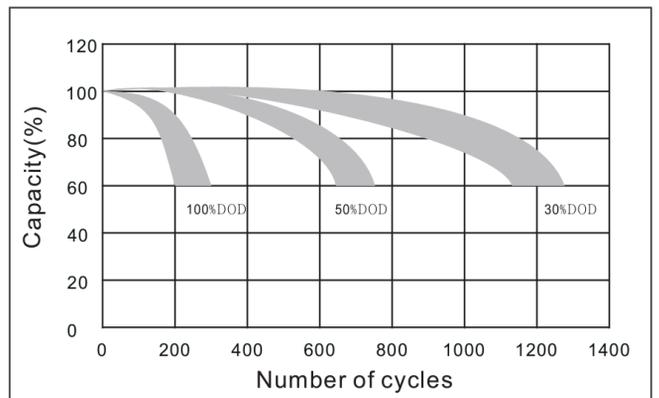
Charging characteristic



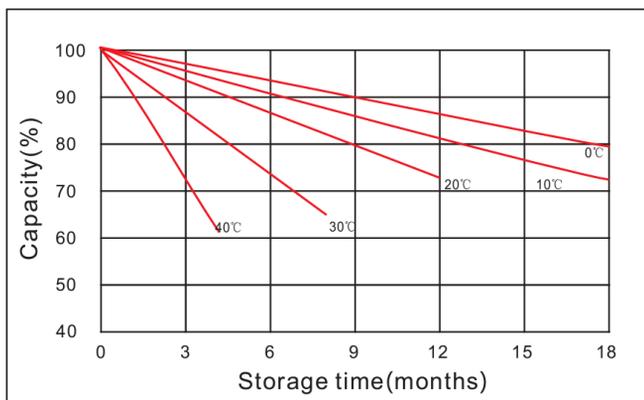
The effect of temperature on capacity



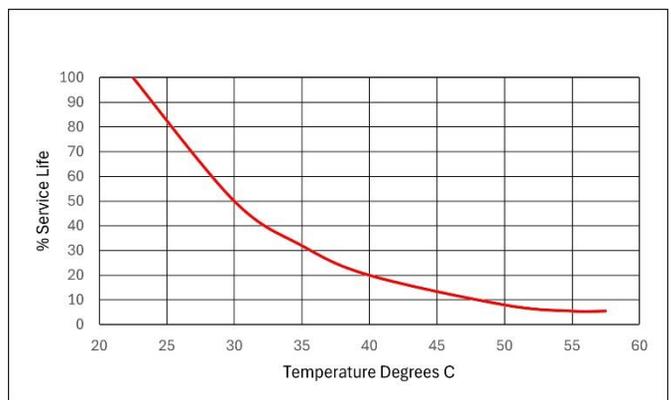
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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