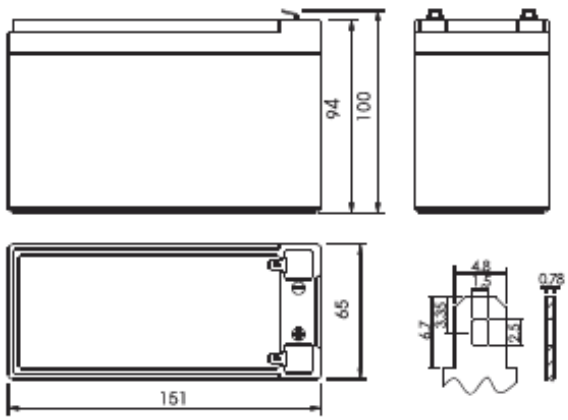
BPC POWERSTOR BATTERY RANGE
PS1234 SEALED LEAD ACID BATTERY

The BPC PowerStor PS series utilises the latest absorbed glass mat (AGM) and gas recombination technology. PowerStor valve regulated sealed lead acid (VRLA) batteries ensure maintenance free, reliable high performance due to an enhanced grid and separator design. Resulting in largely increased battery life over 10 years in optimum float conditions under EUROBAT classification.

Ideally suited for UPS, Data Centres, Emergency Lighting and security systems where it is possible that electrical equipment can be supported through its own full service life without being necessary to charge the battery

NOMINAL VOLTAGE		12V
RATED CAPACITY		9Ah
DIMENSIONS	**HEIGHT**	100mm
	WIDTH	65mm
	DEPTH	151mm
WEIGHT		2.70Kgs



Operating Temperature °C	Recommended Applied Float Voltage VPC
0 – 9	2.33 – 2.35
10 – 14	2.30 – 2.33
15 – 19	2.27 – 2.30
20 – 24	2.27 – 2.30
25 – 29	2.25 – 2.27
30 – 34	2.23 – 2.25
35 – 40	2.21 – 2.23

Standards:
General Specification:- IEC 896-2
Internal resistance:- according to EN IEC 60896-21
Short circuit current:- according to EN IEC 60896-22
EUROBAT Classification:- Long life 10 years

Characteristics (Watts/Cell @ 25°C)

	4min	5min	6min	8min	10min	15min	20min	30min	45min	60min	90min
1.60V	77.66	69.0	62.66	51.1	44.33	34.16	26.66	19.33	13.85	11.00	7.8
1.67V	72.66	64.83	59.16	50.0	43.83	34.0	26.50	19.16	13.75	10.91	7.78
1.70V	70.0	62.66	57.16	49.0	43.33	33.66	26.0	18.66	13.50	10.78	7.75
1.75V	65.66	59.0	54.16	46.83	42.0	33.0	25.50	18.33	13.31	10.66	7.68
1.80V	61.33	55.66	51.33	44.50	39.83	31.50	24.66	18.16	13.13	10.5	7.53
1.85V	57.0	51.50	47.50	41.16	36.33	29.0	23.0	17.16	12.50	10.05	7.25

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ISO 9001 CERTIFIED ORGANIZATION
URS
Certificate No: 14135/3

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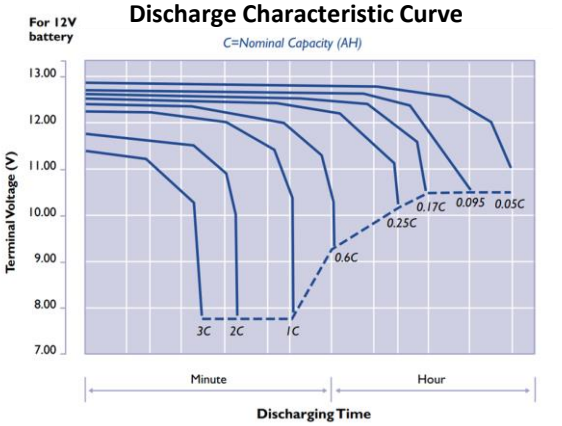
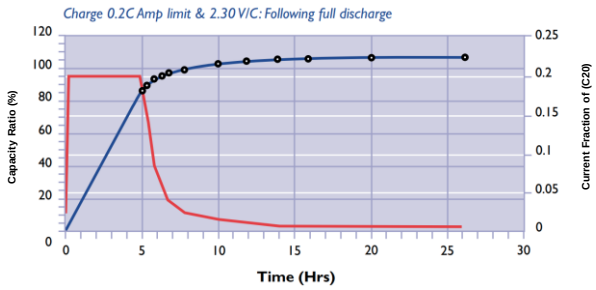
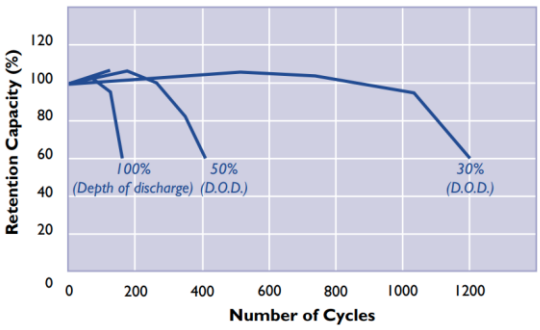
Discharge Characteristic Curve



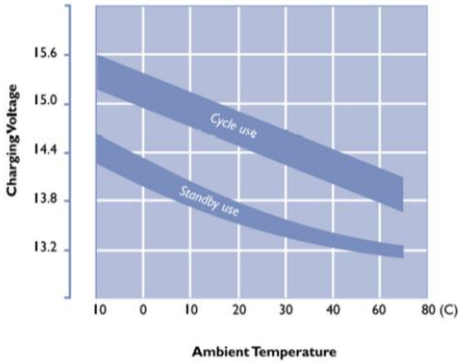
Typical Charge Characteristic Curve for float charge



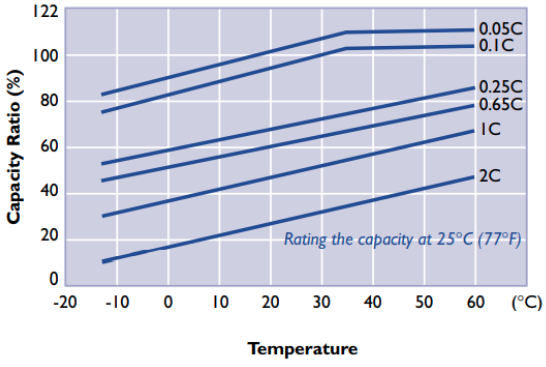
Cycle Life in Relation to Depth of Discharge



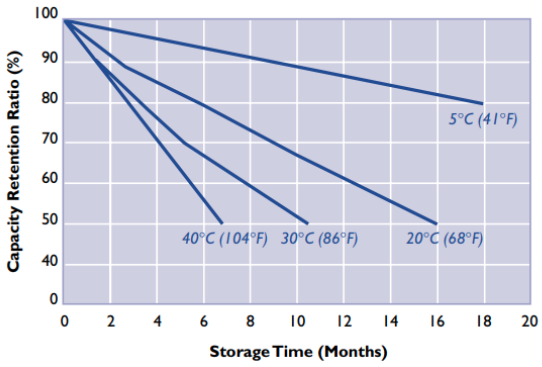
Relationship between Charging Voltage and Temperature



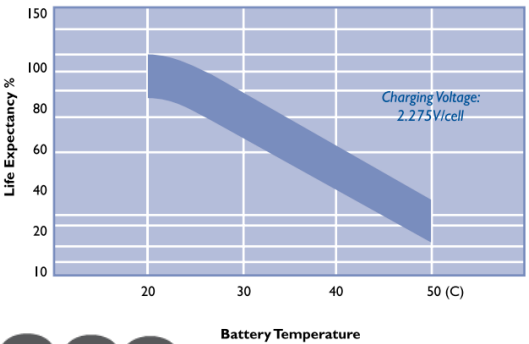
Effect of Temperature on Battery Capacity



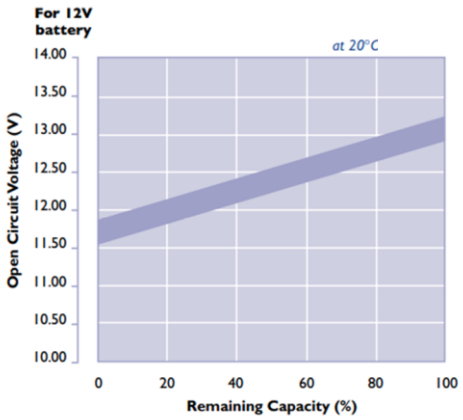
Battery Self-Discharge Characteristics



Effect of Temperature on Long Term Float Life



Battery Open Circuit Voltage vs. Remaining Capacity



12V 9Ah AGM 10 years+ Design Life