

BPC POWERSTOR BATTERY RANGE

PSLW 2850 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	120Ah	
DIMENSIONS	WIDTH	173mm
	DEPTH	407mm
	HEIGHT	237mm
WEIGHT	33.50kgs	
INTERNAL RESISTANCE @ 25°C	4.2 mOhm	
CHARGE	Max. 30A ; Recom. 12A	
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	423	265	204	122	91.9	74.9	52.1	44.2	31.9	21.7	14.9	12.4	6.53
1.65V	410	257	199	119	90.4	73.7	51.7	44.0	31.7	21.6	14.8	12.3	6.52
1.70V	394	245	192	116	88.2	71.9	51.2	43.6	31.5	21.5	14.7	12.2	6.50
1.75V	362	235	185	113	85.5	69.7	50.8	43.0	31.3	21.3	14.6	12.1	6.47
1.80V	324	222	175	110	83.7	68.2	50.4	41.9	30.3	20.7	14.2	12.0	6.43

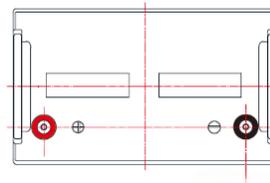
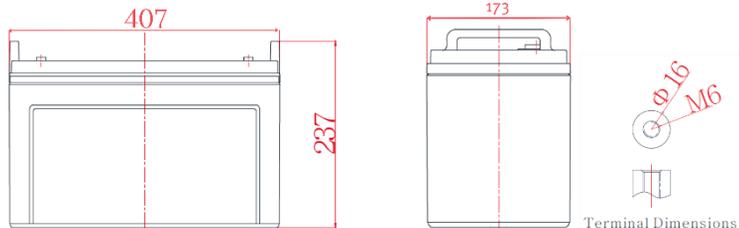
Constant Power Discharge Characteristics (Watts/Cell @ 25°C)

	5m	10m	15m	30m	45m	1hr	1.5hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	709	476	373	228	170	142	104	85.5	62.5	42.9	29.6	24.6	13.1
1.65V	682	461	364	223	168	140	104	85.0	62.1	42.6	29.5	24.6	13.0
1.67V	688	451.5	357	219.5	166	138.5	103.5	84.6	61.95	42.45	29.4	24.5	13.0
1.70V	678	442	350	216	164	137	103	84.2	61.8	42.3	29.3	24.4	13.0
1.75V	633	423	338	211	158	132	102	83.0	61.3	40.1	29.0	24.2	12.9
1.80V	581	399	321	203	154	128	102	80.8	59.4	40.7	28.1	24.1	12.8

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



*Product may differ from image



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

	129.4Ah	20 Hour Rate (6.47A to 10.5V)
RATED CAPACITY	121Ah	10 Hour Rate (12.1A to 10.5V)
	106.5Ah	5 Hour Rate (21.3A to 10.5V)



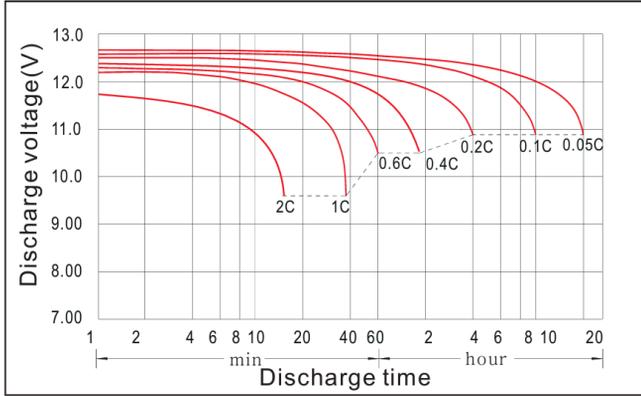
BPC Energy Limited BPC House, Romsey Industrial Estate, Greatbridge Road,
 Romsey, Hampshire, SO51 0HR, UK
 Telephone: +44 (0) 1794 521200 Fax: +44(0) 1794 521200 e-mail: sales@bpc-ups.com
www.bpc-ups.com
 Company Reg No: 8823160 Company VAT No: GB 177265088



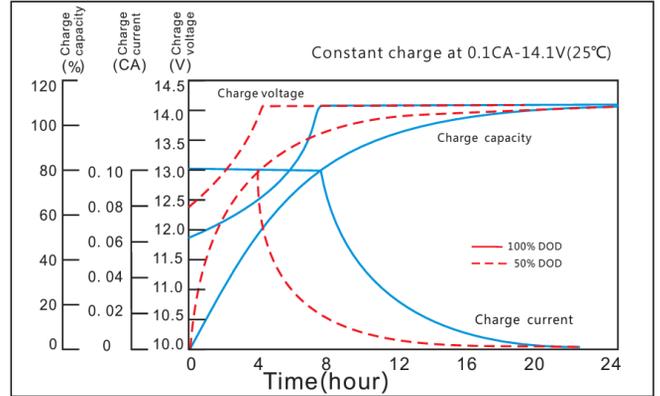
BPC POWERSTOR BATTERY RANGE

PSLW 2850 INDUSTRIAL VRLA SEALED LEAD BATTERY

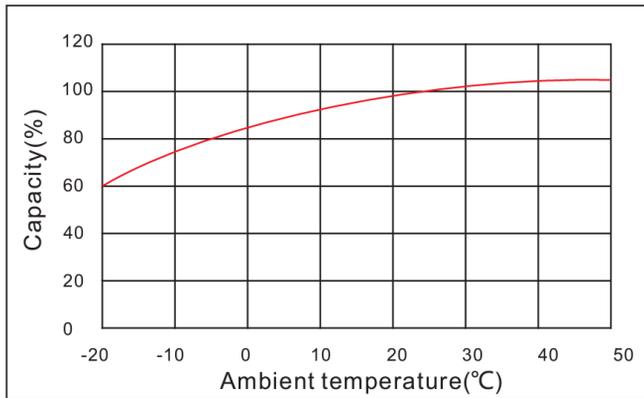
Discharge characteristic



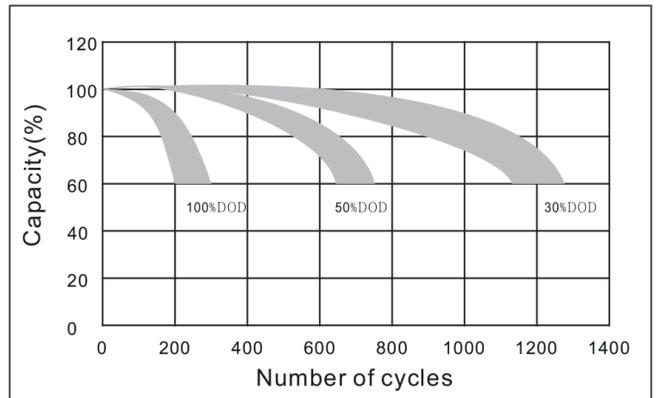
Charging characteristic



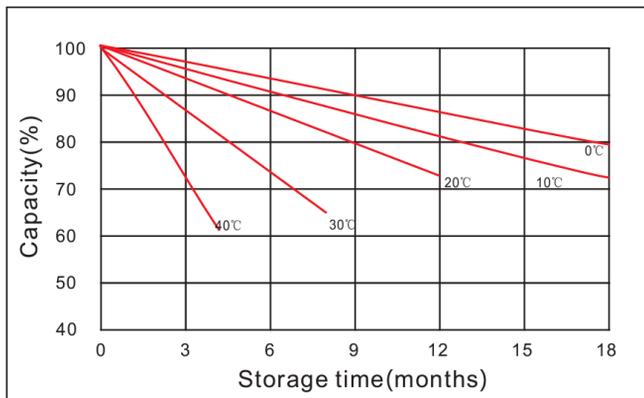
The effect of temperature on capacity



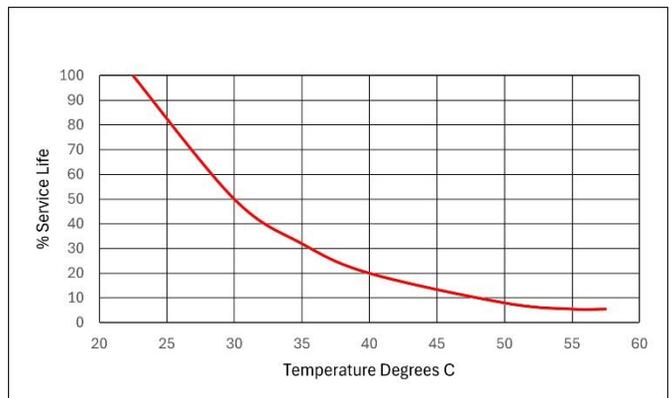
The effect of discharge depth on cycle life



Curves of self-discharge



The effect of temperature on service life



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

BPC Energy Limited BPC House, Romsey Industrial Estate, Greatbridge Road,
Romsey, Hampshire, SO51 0HR, UK
Telephone: +44 (0) 1794 521200 Fax: +44(0) 1794 521200 e-mail: sales@bpc-ups.com
www.bpc-ups.com
Company Reg No: 8823160 Company VAT No: GB 177265088

