

BPC POWERSTOR BATTERY RANGE

PSLOPzV100-12 INDUSTRIAL VRLA GEL SEALED LEAD BATTERY

GENERAL FEATURES

- Tubular plate design to enhance battery performance & long life
- Nanosilica collided gel electrolyte, high temperature and low temperature performance is superior
- Long cycle and battery life – 20 years design life
- Excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Flame retardant (UL-94 optional)

TECHNICAL SPECIFICATION

NOMINAL VOLTAGE	12V
NOMINAL CAPACITY	100Ah
DIMENSIONS	WIDTH 175mm
	DEPTH 407mm
	HEIGHT 210mm
WEIGHT	36kgs
INTERNAL RESISTANCE @ 25°C	7.8 mOhm
CHARGE	Max. 20A ; Recom. 10A
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)

	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	109	87.3	60.5	37.3	26.8	18.4	12.9	10.6	5.70
1.65V	104	83.3	59.5	36.7	26.5	18.1	12.7	10.5	5.65
1.70V	99.3	78.0	57.5	35.7	26.1	17.8	12.5	10.3	5.55
1.75V	93.3	73.3	55.5	34.8	25.7	17.4	12.4	10.2	5.45
1.80V	84.0	67.3	52.0	33.7	25.2	16.9	12.1	10.0	5.35
1.85V	71.3	59.3	48.7	32.3	24.2	16.3	11.8	9.80	5.20

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

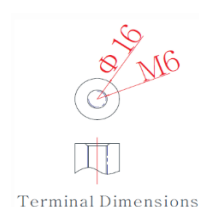
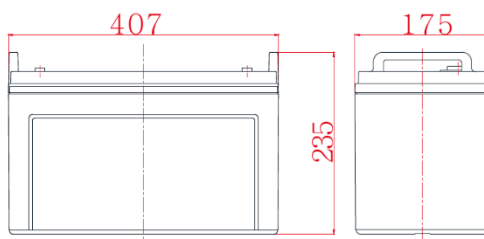
	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	219	173	117	73.3	56.5	37.7	27.0	22.4	12.0
1.65V	208	165	111	72.7	55.0	37.2	26.5	21.5	11.7
1.70V	199	158	109	71.3	53.5	36.4	26.0	21.4	11.5
1.75V	189	151	105	69.3	52.0	35.5	25.4	21.0	11.2
1.80V	179	145	105	67.3	50.5	34.4	24.7	20.5	10.9
1.85V	164	137	96.0	63.5	48.1	32.7	23.8	19.9	10.6

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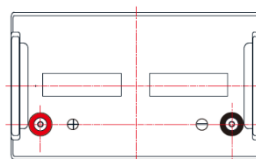
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*Product may differ from image



Terminal Dimensions



Recommended Torque Setting: 3.9 – 5.4Nm

Recommended Distance Between Batteries: 10mm

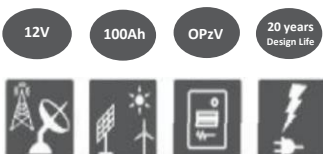
Standards:

Internal resistance: according to EN IEC 60896 21

Short circuit current: according to EN IEC 60896 22

EUROBAT Classification: > 12 years very long life

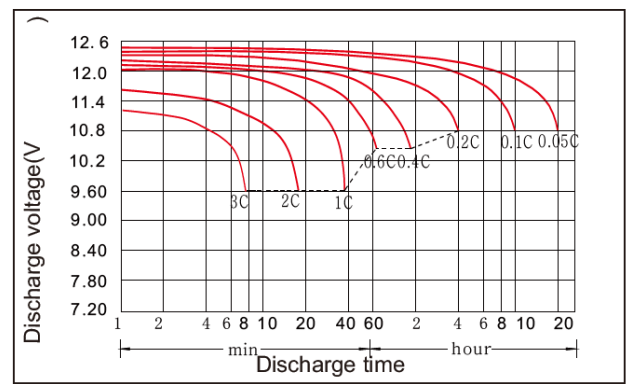
	109Ah	20 Hour Rate (5.45A to 10.5V)
RATED CAPACITY	102Ah	10 Hour Rate (10.2A to 10.5V)
	87Ah	5 Hour Rate (17.4A to 10.5V)



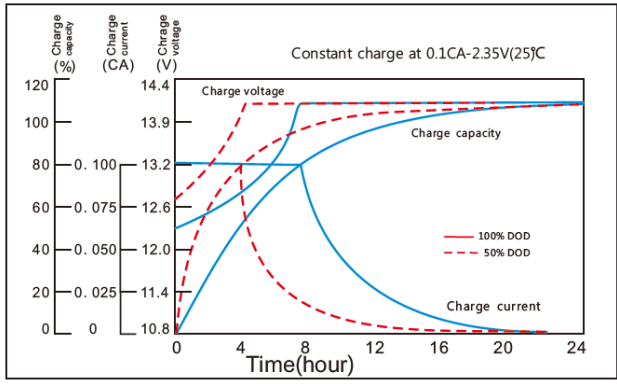
BPC POWERSTOR BATTERY RANGE

PSLOPzV100-12 INDUSTRIAL VRLA GEL SEALED LEAD BATTERY

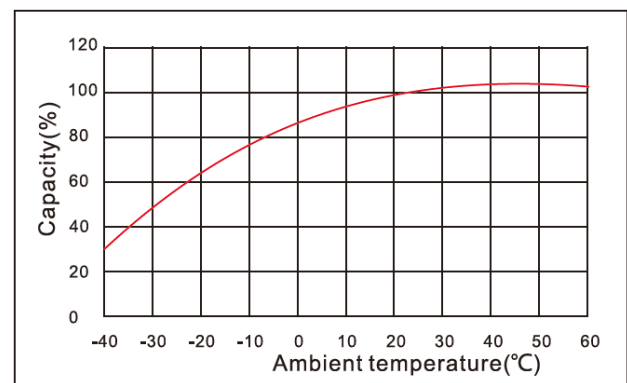
Discharge characteristic



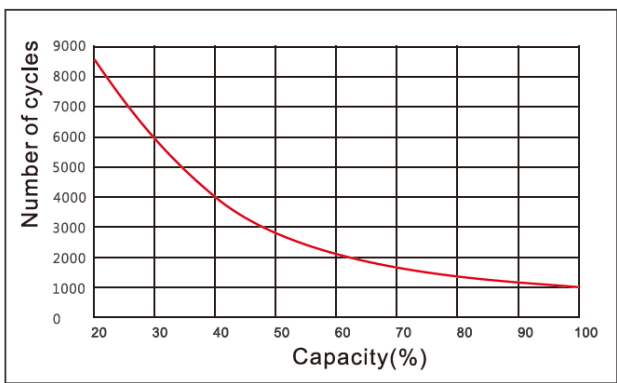
Charging characteristic



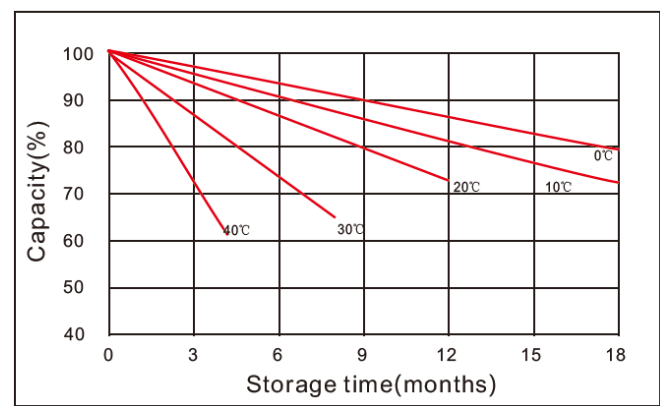
The effect of temperature on capacity



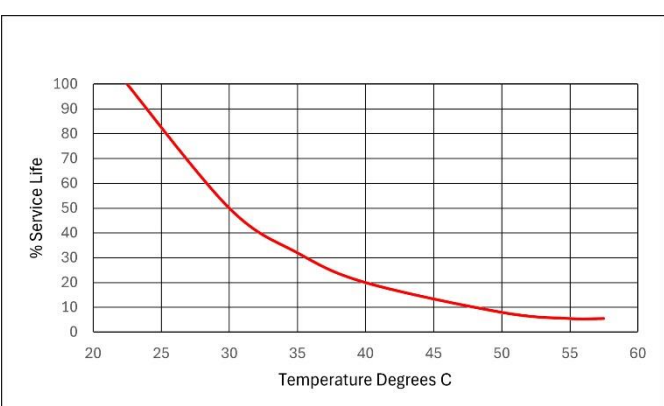
The effect of discharge depth on cycle life



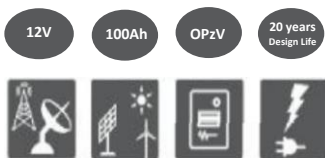
Curves of self-discharge



The effect of temperature on service life



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BPC POWERSTOR BATTERY RANGE

PSLOPzV150-12 INDUSTRIAL VRLA GEL SEALED LEAD BATTERY

GENERAL FEATURES

- Tubular plate design to enhance battery performance & long life
- Nanosilica collided gel electrolyte, high temperature and low temperature performance is superior
- Long cycle and battery life – 20 years design life
- Excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Flame retardant (UL-94 optional)

TECHNICAL SPECIFICATION

NOMINAL VOLTAGE	12V
NOMINAL CAPACITY	150Ah
DIMENSIONS	WIDTH 210mm
	DEPTH 532mm
	HEIGHT 216mm
WEIGHT	54kgs
INTERNAL RESISTANCE @ 25°C	6 mOhm
CHARGE	Max. 37.5A ; Recom. 15A
MAX. DISCHARGE CURRENT	900A (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)

	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	164	131	90.8	56.0	40.2	27.6	19.4	15.9	8.55
1.65V	156	125	89.3	55.0	39.7	27.2	19.1	15.8	8.48
1.70V	149	117	86.3	53.6	39.1	26.7	18.8	15.5	8.33
1.75V	140	110	83.3	52.2	38.5	26.1	18.6	15.3	8.18
1.80V	126	101	78.0	50.5	37.8	25.4	18.2	15.0	8.03
1.85V	107	89	73.0	48.5	36.3	24.5	17.7	14.7	7.80

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

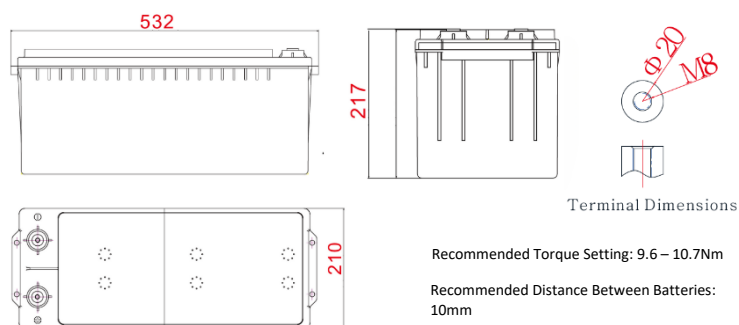
	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	328	260	176	110	84.8	56.6	40.5	33.6	18.0
1.65V	312	248	167	109	82.5	55.8	39.8	32.2	17.6
1.70V	299	237	163	107	80.3	54.6	39.0	32.1	17.2
1.75V	283	227	157	104	78.0	53.2	38.1	31.5	16.8
1.80V	269	218	158	101	75.8	51.6	37.1	30.7	16.4
1.85V	246	206	144	95.3	72.1	49.1	35.7	29.8	15.9

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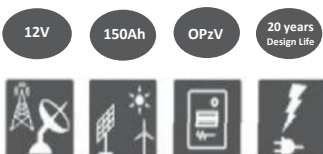
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Standards:

Internal resistance: according to EN IEC 60896 21
Short circuit current: according to EN IEC 60896 22
EUROBAT Classification: > 12 years very long life

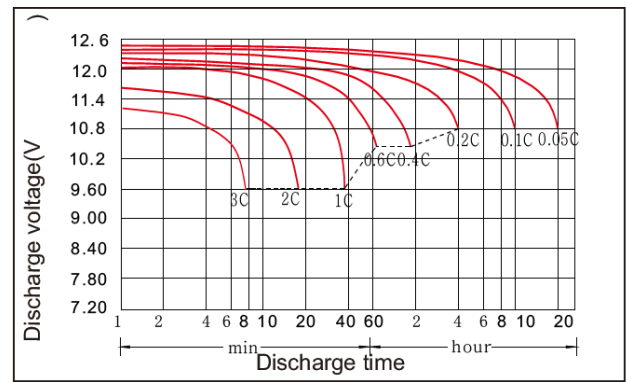
	163.6Ah	20 Hour Rate (8.18A to 10.5V)
RATED CAPACITY	153Ah	10 Hour Rate (15.3A to 10.5V)
	130.5Ah	5 Hour Rate (26.1A to 10.5V)



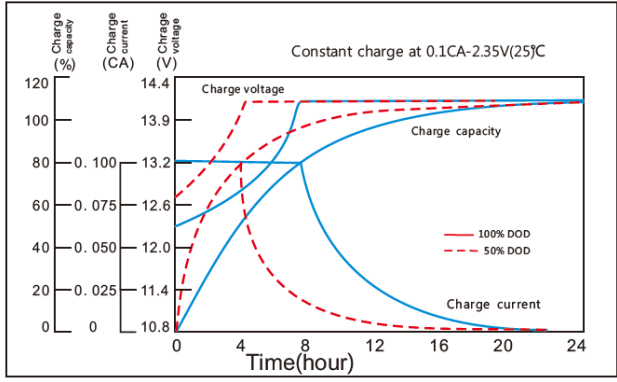
BPC POWERSTOR BATTERY RANGE

PSLOPzV150-12 INDUSTRIAL VRLA GEL SEALED LEAD BATTERY

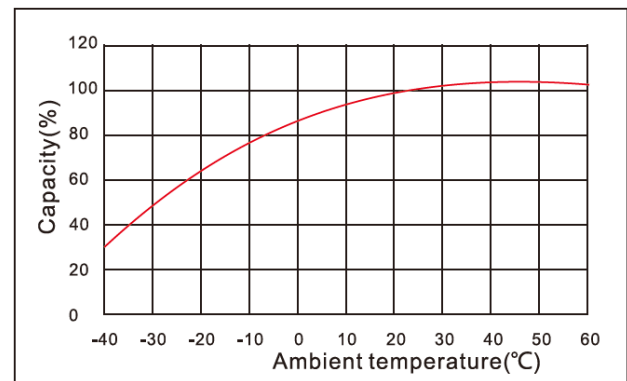
Discharge characteristic



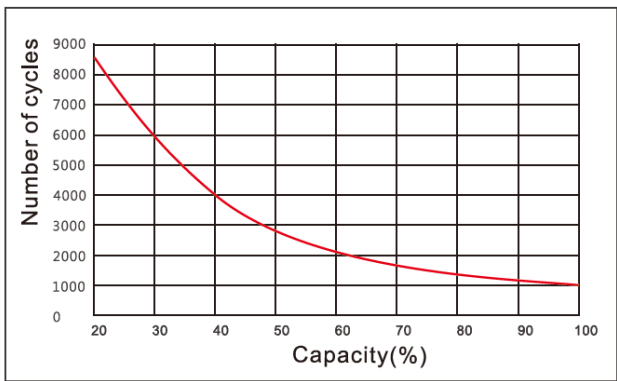
Charging characteristic



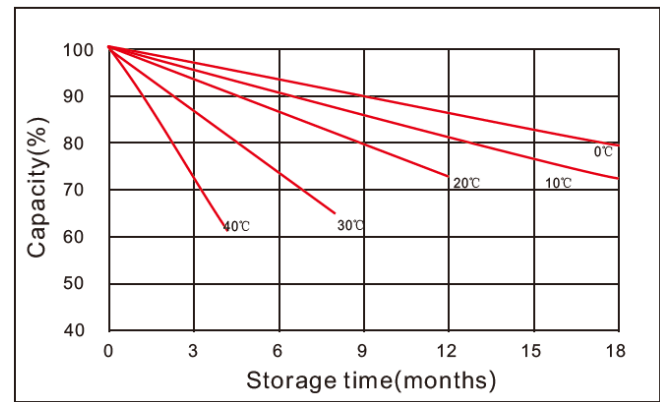
The effect of temperature on capacity



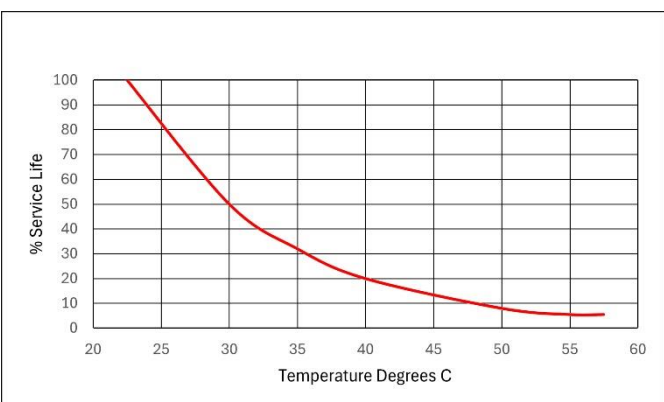
The effect of discharge depth on cycle life



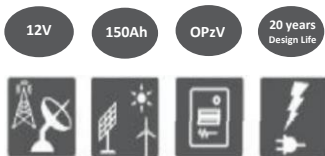
Curves of self-discharge



The effect of temperature on service life



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BPC POWERSTOR BATTERY RANGE

PSLOPzV200-12 INDUSTRIAL VRLA GEL SEALED LEAD BATTERY

GENERAL FEATURES

- Tubular plate design to enhance battery performance & long life
- Nanosilica collided gel electrolyte, high temperature and low temperature performance is superior
- Long cycle and battery life – 20 years design life
- Excellent deep cycle discharge ability
- Excellent charge acceptance ability
- Flame retardant (UL-94 optional)

TECHNICAL SPECIFICATION

NOMINAL VOLTAGE	12V
NOMINAL CAPACITY	200Ah
DIMENSIONS	WIDTH 259mm
	DEPTH 499mm
	HEIGHT 219mm
WEIGHT	71kgs
INTERNAL RESISTANCE @ 25°C	0.70 mOhm
CHARGE	Max. 40A ; Recom. 20A
MAX. DISCHARGE CURRENT	2000A (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)

	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	219	175	121	74.7	53.6	36.8	25.9	21.2	11.4
1.65V	208	167	119	73.3	52.9	36.3	25.5	21.1	11.3
1.70V	199	156	115	71.5	52.1	35.6	25.1	20.7	11.1
1.75V	187	147	111	69.6	51.3	34.8	24.8	20.4	10.9
1.80V	168	135	104	67.3	50.4	33.9	24.3	20.0	10.7
1.85V	143	119	97.3	64.7	48.4	32.7	23.6	19.6	10.4

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

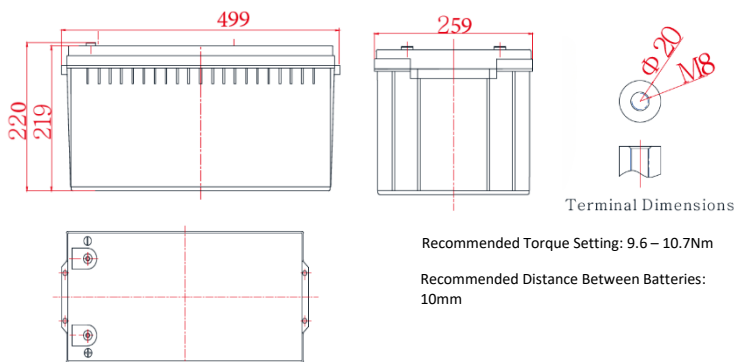
	15m	30m	1hr	2hr	3hr	5hr	8hr	10hr	20hr
1.60V	437	347	235	147	113	75.5	54.0	44.8	24.0
1.65V	416	331	223	145	110	74.4	53.1	42.9	23.5
1.70V	399	316	217	143	107	72.8	52.0	42.8	22.9
1.75V	377	303	209	139	104	70.9	50.8	42.0	22.4
1.80V	359	291	211	135	101	68.8	49.5	40.9	21.9
1.85V	328	275	192	127	96.1	65.5	47.6	39.7	21.2

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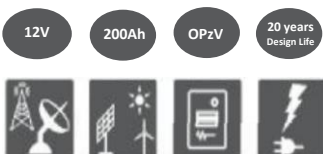
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Standards:

Internal resistance: according to EN IEC 60896 21
Short circuit current: according to EN IEC 60896 22
EUROBAT Classification: > 12 years very long life

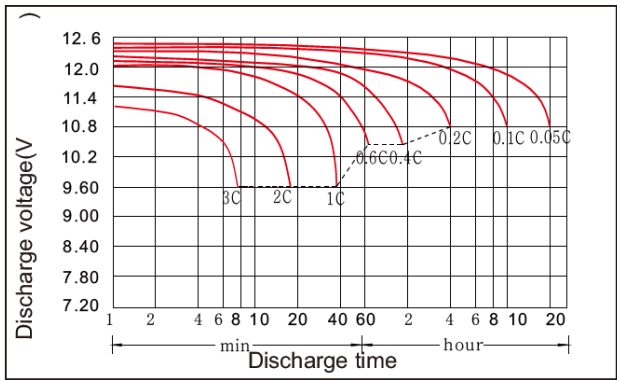
	218Ah	20 Hour Rate (10.9A to 10.5V)
RATED CAPACITY	204Ah	10 Hour Rate (20.4A to 10.5V)
	174Ah	5 Hour Rate (34.8A to 10.5V)



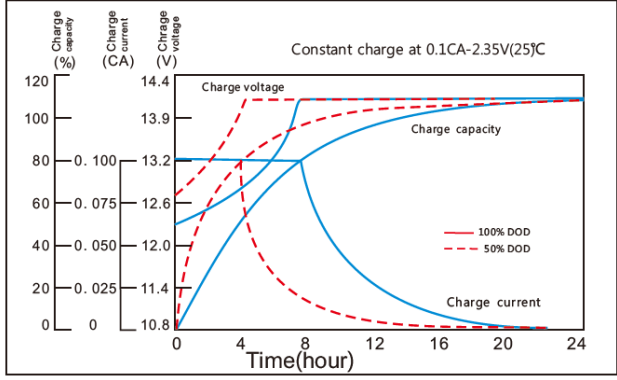
BPC POWERSTOR BATTERY RANGE

PSLGELW 2400 INDUSTRIAL VRLA GEL SEALED LEAD BATTERY

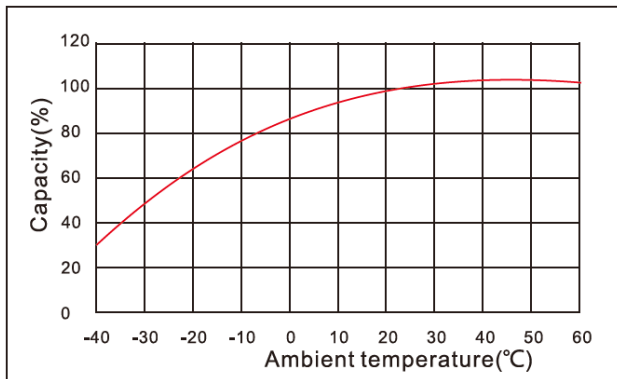
Discharge characteristic



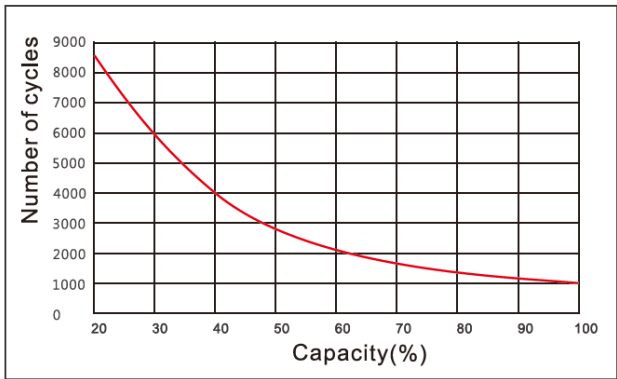
Charging characteristic



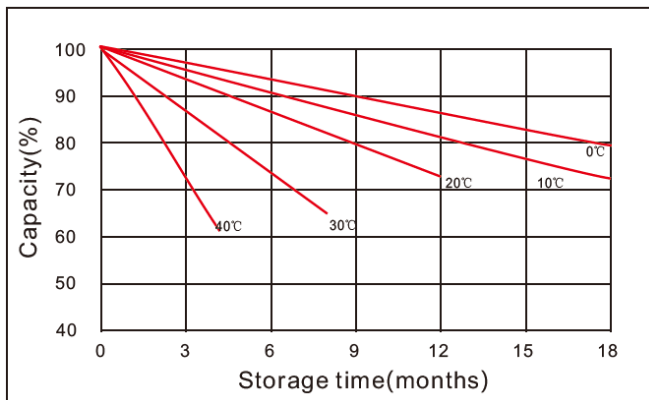
The effect of temperature on capacity



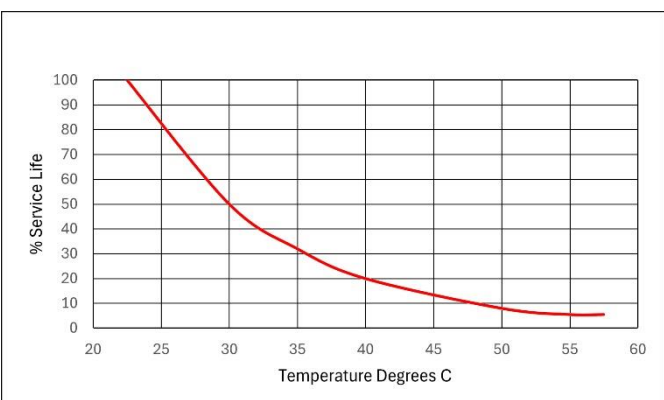
The effect of discharge depth on cycle life



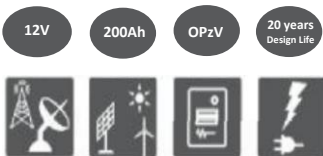
Curves of self-discharge



The effect of temperature on service life



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