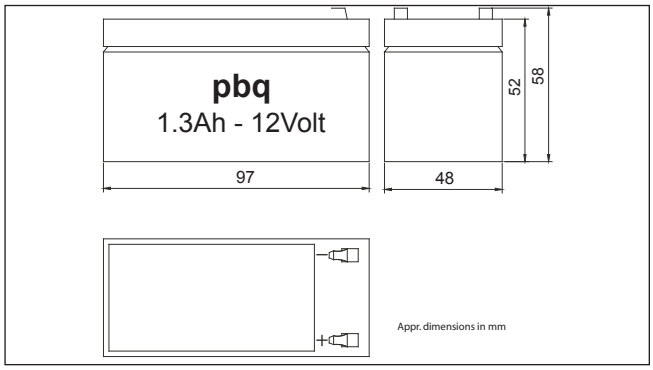
VRLA Batteries

pbq 1,3-12 [20h]
General Purpose Battery





Voltage	: 12 Volt
Capacity	: 1.3Ah
Appr. dimensions	: 97x48x52/58mm (LxWxH) (±2%)
Terminal	: Faston 187
Container & lid	: ABS
Approximate weight	: 630gr
Certificate(s)	: CE, UL

Typical Applications:

- Toys
- Fire & burglar alarmsystems
- Household appliances
- Garden tools
- Telephone exchanges
- Sensors
- Measurement devices

Capacity

20 hour rate (65mA)	: 1.3Ah
10 hour rate (115mA)	: 1.15Ah
5 hour rate (220mA)	: 1.1Ah
1 hour rate (830mA)	: 0.83Ah

Internal Resistance *(fully charged)* : 105mOhm

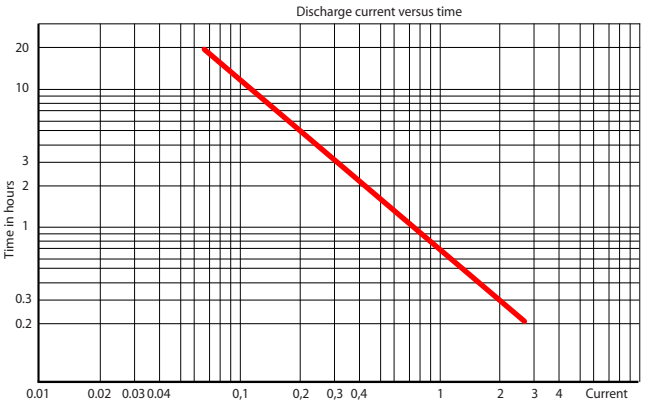
Capacity versus temperature

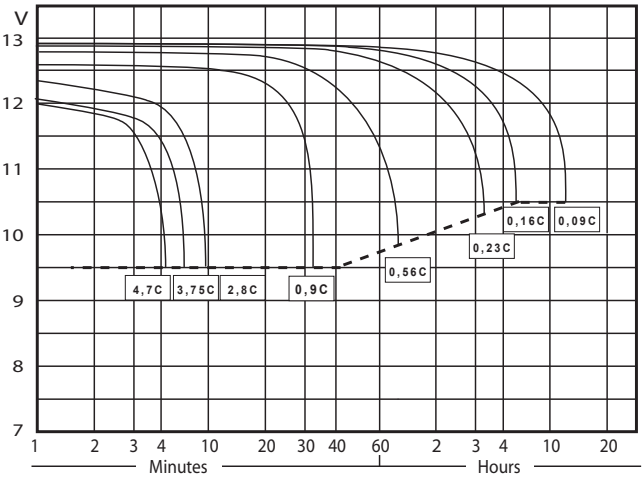
40°C	: 102%
25°C	: 100%
0°C	: 85%
-15°C	: 65%

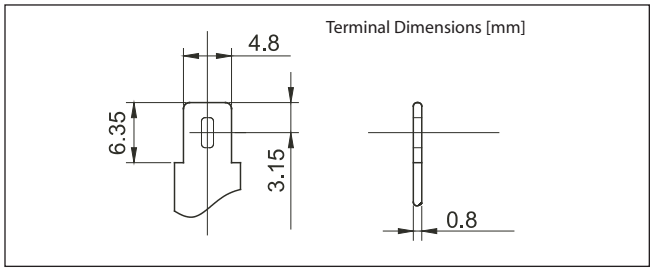
Max. discharge current : 18A (5 sec)

Charge *(constant voltage)*

Maximum charge current 0.48A
Float use: 13.6 - 13.8 Volt. -20mV/°C
Cyclic use: 14.5 - 14.9 Volt. -30mV/°C







Discharge data watt/battery

	Discharge time	5 min	10 min	15 min	30 min	1 hr	3 hr	5 hr
End Voltage	10,80	43,74	28,38	23,4	13,5	8,22	3,6	2,58
	10,50	47,28	30,54	25,08	14,4	8,7	3,72	2,64
	10,20	50,82	32,7	26,76	15,3	9,12	3,84	2,7
	9,90	54,42	34,86	28,38	16,14	9,6	3,9	3,84
	9,60	58,02	37,02	30	16,98	10,02	4,02	2,82

Non binding data and specification. The manufacturer can introduce , without notice, any modification considered as necessary.

General purpose batteries

12 volt range

With a range of well over 50 models, pbq offers one of the widest selections in the battery industry. The batteries are designed with the cost and quality conscious user in mind offering an excellent price/performance ratio. The functional life is 4-5 years at an operating temperature of 25°C.

Typical applications:

- toys
- household appliances
- sensors
- UPS systems
- integrated emergency power supplies
- telecommunication equipment
- garden tools

VdS approved VRLA Batteries

The VdS-approved pbq batteries form a special range that has been tested and qualified by the German VdS institute. The concept behind VdS recognition; ensuring tested and certified quality in the products and services being offered in the safety and security markets, is of equally advantageous for user and supplier.

Flame Retardant ABS Casing

All VdS models are accomplished in Flame Retardant ABS casing. Due to the right choice of the flame retardant, the batteries remain RoHS Compliant.

VdS Models

Model pbq...	Capacity in Ah	VdS Number
pbq 1,2-12 VdS	1,2	G104102
pbq 2,3-12 VdS	2,3	G104103
pbq 3,2-12 VdS	3,2	G104104
pbq 7-12 VdS	7	G104049
pbq 12-12 VdS	12	G104087
pbq 18-12 VdS	18	G104088
pbq 26-12 VdS	26	G104089
pbq 40-12 VdS	40	G104090
pbq 65-12 VdS	65	G108087

Models available

Model pbq...	Capacity in Ah	Dimensions (±2%) (LxWxH1/H2)	Weight
pbq 0.8-12	0,8	96x25x62mm	340gr
pbq 1.2-12 VdS	1,2	97x48x52/58mm	630gr
pbq 1.3-12	1,3	97x48x52/58mm	630gr
pbq 2.3-12 VdS	2,3	178x35x61/67mm	990gr
pbq 2.6-12	2,6	178x34x61/67mm	990gr
pbq 2.9-12	2,9	79x55.5x98.5/102mm	1.05kg
pbq 3.2-12 VdS	3,2	134x67x61/67mm	1.3kg
pbq 3.4-12	3,4	134x67x61/67mm	1.3kg
pbq 4-12	4	195x47x70/74mm	1.62kg
pbq 5.2-12	5,2	90x70x102/106mm	1.7kg
pbq 7-12 VdS	7	151x65x93.5/100mm	2.32kg
pbq 12-12 VdS	12	151x98x95/101mm	3.67kg
pbq 18-12 VdS	18	181x76x166mm	6.15kg
pbq 26-12 VdS	26	175x166x125mm	9.6kg
pbq 28-12W	28	165x125x175mm	9.3kg
pbq 40-12 VdS	40	197x165x171mm	14.3kg
pbq 65-12 VdS	65	350x167x179/186mm	21.2kg

Typical applications:

- VdS & NCP approved alarm systems
- Fire & burglar alarmsystems

Quality Control

All pbq batteries are being produced against ISO 9001 and UL quality control standards. Furthermore, batteries are inspected again using a method of statistical analyses upon arrival in the central warehouses. At pbq we understand that a defective battery can mean loss of information, productivity, customers and increased service cost, all 'features' you can do without!



12 volt General Purpose family

Non binding data and specification. The manufacturer can introduce , without notice, any modification considered as necessary.