Technical Specifications

Nominal voltage	12 V
Nominal capacity (1.70V/c, 25ºC)	20Hr: 3.40 Ah
	5Hr: 2.80 Ah
	1Hr: 2.06 Ah
Internal resistance	≤50mΩ (fully charged)
Maximum charge current	1.02 A
Maximum discharge current	51.0 A (max. 5 sec)
Float use / cyclic use	13.5 - 13.8V / 14.4 - 15.0V
Charge temperature range	-15ºC ~ 40ºC
Discharge temperature range	-15ºC ~ 50ºC
Design life (20°C)	3-5 years (Eurobat)

Standard terminal	Faston 4.8mm (T1)
Housing material	ABS (UL94-HB)
Dimensions Length	134 mm
Dimensions Width	67 mm
Dimensions Height	67 mm
Approximate Weight	1.30 kg
Packing	20 pcs / box

Typical applications

- Security systems
- Measuring equipment
- Emergency lighting
- Medical applications
- UPS systems
- Control panels
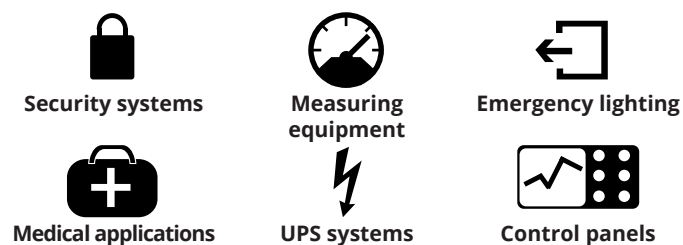
Features

- Absorbent Glassmat Technology (AGM)
- Valve Regulated Lead Acid (VRLA)
- Maintenance free
- UL94-HB Flame retardant casing
- Low self discharge
- Classified as non-spillable and Non Dangerous goods by IATA, FAA, ADR, IMDG
- Can be discharged or stored in any position without leakage
- Cannot be charged while terminals are downwards

Constant Current Discharge (Amps) at 25°C (77°F)

F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	10.5	6.65	5.39	3.12	1.96	1.11	0.54	0.30	0.16
1.75V/cell	11.2	7.05	5.69	3.24	2.02	1.14	0.56	0.31	0.17
1.70V/cell	11.7	7.37	5.89	3.32	2.06	1.16	0.56	0.31	0.17
1.65V/cell	12.2	7.68	6.12	3.43	2.11	1.17	0.57	0.31	0.17
1.60V/cell	12.5	7.92	6.27	3.50	2.15	1.17	0.57	0.31	0.17

Constant Power Discharge (Watts) per Cell* at 25°C (77°F)

F.V/TIME	5 Min	10 Min	15 Min	30 Min	60 Min	2 Hr	5 Hr	10 Hr	20 Hr
1.80V/cell	19.7	12.5	10.3	5.97	3.78	2.17	1.08	0.60	0.32
1.75V/cell	20.8	13.3	10.8	6.20	3.90	2.22	1.12	0.61	0.33
1.70V/cell	21.7	13.9	11.2	6.35	3.97	2.25	1.13	0.62	0.33
1.65V/cell	22.7	14.5	11.6	6.55	4.08	2.27	1.13	0.62	0.33
1.60V/cell	23.3	14.9	11.9	6.68	4.13	2.28	1.14	0.62	0.34

*: Battery consists of 6 cells

Service life vs Temperature

Self-discharge characteristics
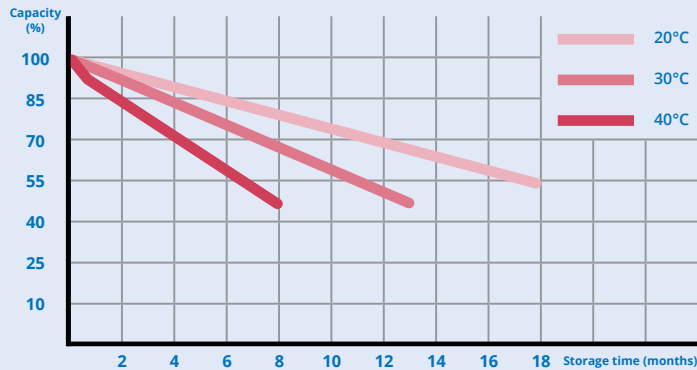
Charge Voltage vs Temperature

Discharge characteristics

Certifications and Standards
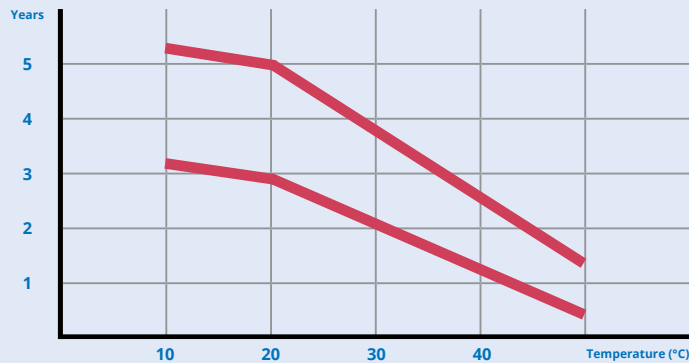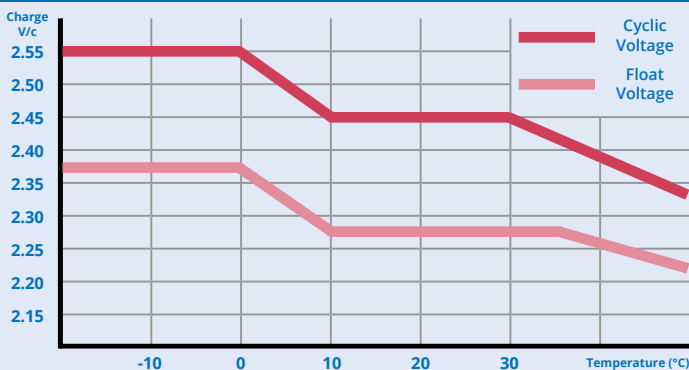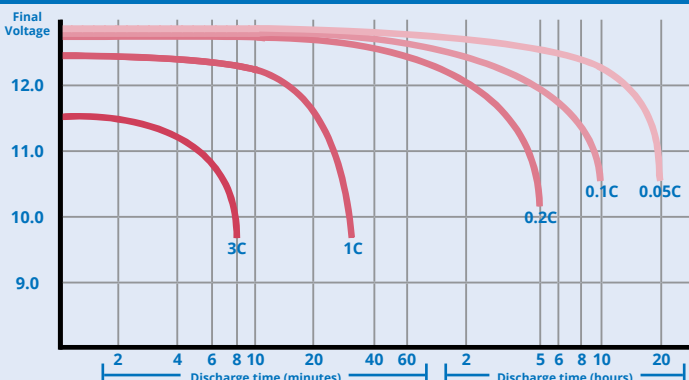
ISO 9001 **ISO 14001** **ABS UL94-HB** **RoHS 2002/95/EC**

General purpose series

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. pbq has a full series of 6 and 12 Volt models available for a wide range of applications and intents to keep this range in production for many years to come. These General Purpose batteries have been designed for a functional life of 4-5 years at an operating temperature of 25°C in a standby application.

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

Model	Voltage (V)	Capacity (Ah)	Dimensions lxwxh (mm)	Weight (kg)
pbq 3.5-4	4	3.5	90x34x66	0.44
pbq 1.2-6	6	1.2	97x24x58	0.28
pbq 3.2-6	6	3.2	134x35x67	0.60
pbq 4.5-6	6	4.5	70x47x107	0.72
pbq 7-6	6	7.0	151x34x100	1.15
pbq 12-6	6	12.0	151x50x100	1.75
pbq 0.8-12	12	0.8	96x25x62	0.40
pbq 1.2-12*	12	1.2	97x43x58	0.52
pbq 1.3-12	12	1.3	97x48x57	0.56
pbq 2.3-12*	12	2.3	178x35x67	0.88
pbq 2.6-12	12	2.6	178x34x71	0.94
pbq 2.6-12S	12	2.6	70x48x104	0.85
pbq 2.9-12	12	2.9	79x56x105	1.05
pbq 3.2-12*	12	3.2	134x67x67	1.30
pbq 3.4-12	12	3.4	134x67x67	1.30
pbq 4-12	12	4.0	195x47x76	1.45
pbq 5.2-12	12	5.2	90x70x107	1.62
pbq 7-12*	12	7.0	151x65x102	2.20
pbq 7-12L*	12	7.0	151x65x102	2.20
pbq 12-12*	12	12.0	151x98x98	3.75
pbq 18-12*	12	18.0	181x76x167	5.60
pbq 26-12*	12	26.0	166x175x125	9.30
pbq 28-12T2	12	28.0	165x125x175	8.60
pbq 40-12*	12	40.0	197x165x170	12.80
pbq 65-12*	12	65.0	350x167x179	20.80

*: VdS approved VRLA batteries