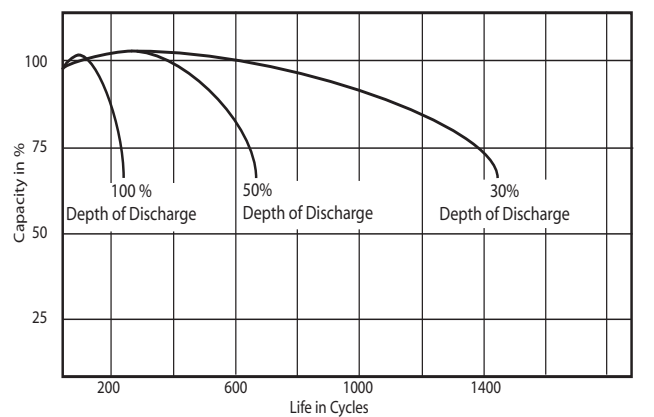
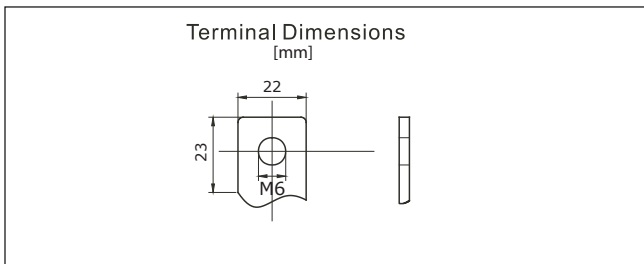
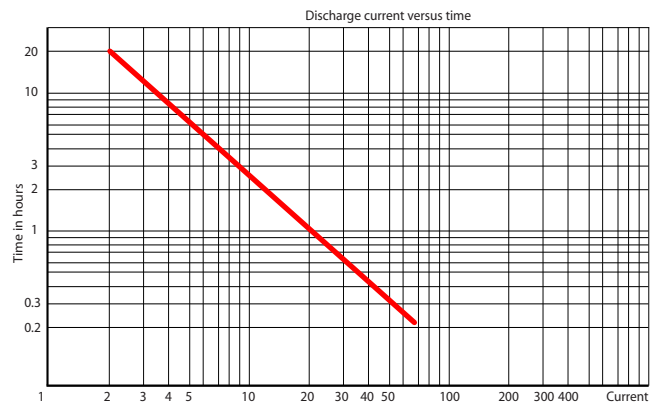


Voltage	: 12 Volt
Capacity	: 40Ah
Appr. dimensions	: 197x165x170mm (LxWxH) (±2mm)
Terminal	: M6 Nut & Bolt (<i>supplied</i>)
Approximate weight	: 13.5kg
Certificate(s)	: CE, UL
RoHS Compliant	: Yes

Typical Applications:

- Wind generators
- Cathodic protection
- Water pumps
- Golf caddies and trolleys
- Telecommunication equipment
- Solar systems
- EVs

Capacity	
20 hour rate (2.1A)	: 41,4Ah
10 hour rate (4A)	: 40Ah
5 hour rate (6,56A)	: 32,8Ah
1 hour rate (23,8A)	: 23,8Ah
15 min rate (58,4A)	: 14,6 Ah
Internal Resistance (<i>fully charged</i>)	: 10.5mOhm
Capacity versus temperature	
40°C	: 102%
25°C	: 100%
0°C	: 85%
-15°C	: 65%
Max. discharge current	: 400A (5 sec)
Charge (<i>constant voltage</i>)	
Maximum charge current 10A	
Float use: 13.6 - 13.8 Volt. -20mV/°C	
Cyclic use: 14.1 - 14.4 Volt. -30mV/°C	



Discharge data watt/battery

	Discharge time	5 min	10 min	15 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
End Volt- age	10,80V	810	637	609	401	258	111,0	76,0	47,8	24,7
	10,20V	862	677	641	422	271	113,0	77,5	48,0	24,7
	9,60V	907	713	668	440	283	115,0	78,7	48,5	25,1

Gel batteries

12 volt range

The pbq gel batteries are VRLA batteries with a gelled electrolyte; the sulphuric acid is mixed with silica fume, which makes the resulting mass gel-like and immobile. This process decreases significantly the evaporation of hydrogen and the gelled electrolyte will also not stratify, which makes equalization charging redundant.

Gel batteries are best used in VERY DEEP cycle application and may last a bit longer under hot weather circumstances. The recharge voltage on this type of battery is lower than the other styles of lead acid battery.

Typical applications:

- Wind generators
- Wheel chairs
- Cathodic protection
- Water pumps
- Golf caddies and trolleys
- Telecommunication equipment
- Solar systems
- EVs

Models available

Model pbq...	Capacity in Ah	Dimensions (±2mm) (LxWxH1/H2)	Weight (approx.)
pbq 33-12 Gel	33	195x130x155/180mm	10.5kg
pbq 40-12 Gel	40	197x165x170mm	13.8kg
pbq 60-12 Gel	60	250x160x178/200	19.8kg
pbq 95-12 Gel	95	306x169x211/233	28kg
pbq 100-12 Gel	100	330x171x214/224	30.5kg
bbq 110-12 Gel	110	281x267x207/210	33.5kg

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!



pbq GEL family