

Voltage : 12 Volt
Capacity : 100Ah
Appr. dimensions : 330x171x214/224mm (LxWxH) (±2mm)
Terminal : M8 Nut & Bolt (*supplied*)
Approximate weight : 30.5kg (± 4%)
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

10 hour rate (10A) : 100Ah
5 hour rate (16.6A) : 83Ah
1 hour rate (60A) : 60Ah

Internal Resistance (*fully charged*) : 5.0mOhm

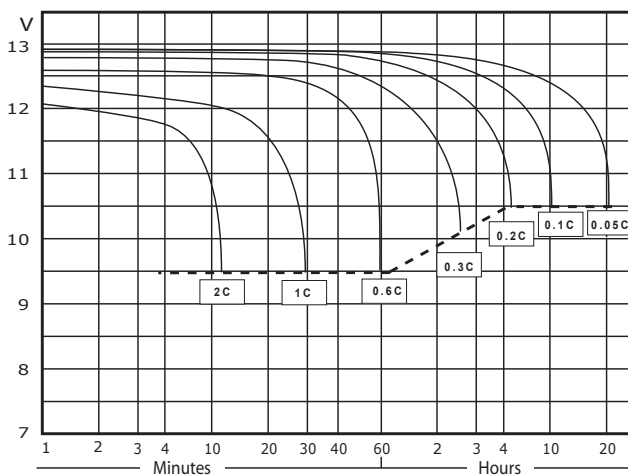
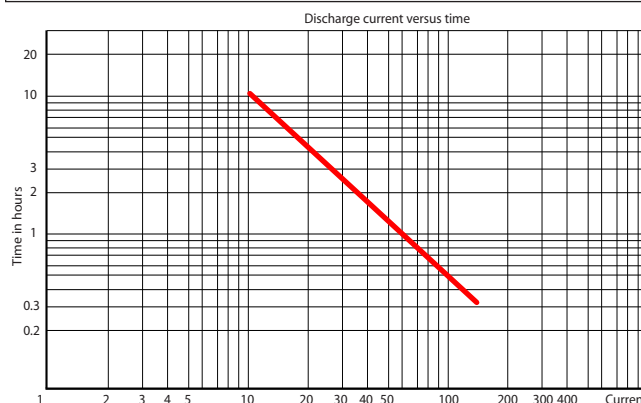
Capacity versus temperature

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

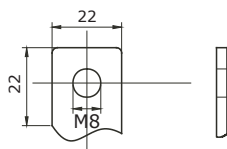
Max. discharge current : 800A (5 sec)

Charge (*constant voltage*)

Maximum charge current 25A
Float use: 13.5 - 13.8 Volt. -18mV/°C
Cyclic use: 14.4 - 14.7 Volt. -30mV/°C



Terminal Dimensions [mm]



Discharge data watt/battery

	Discharge time	10 min	15 min	30 min	1 hr	3 hr	5 hr	10 hr	20 hr
End Voltage	10.8	1497	1435	962	624	274	190	119	61.8
	10.5	1586	1515	998	644	282	196	120	62.2
	10.2	1657	1569	1023	657	284	198	121	62.6
	9.9	1729	1629	1056	674	286	199	121	62.8
	9.6	1782	1669	1077	684	288	200	122	62.9

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