

2 Volt SC Series

The SC (Single Cell) or monoblock series is made of individual cells each providing 2 Volt. By combining multiple cells, batteries of nearly every voltage and capacity can be made. Depending on the capacity of the cell, one, two or four connection points for the positive and negative connections are available.

Due to the flexible design, the final shape of the battery can be adapted to the space available. Since the cells can be placed in any direction, creating a system with all connections on the front enables easy checking of individual cell voltages and the torque of the connections.

General Features

- Absorbent Glass Mat (AGM) technology.
- No electrolyte maintenance or water to be added.
- Not restricted for air transport, complies with IATA/ICAO Special Provision A67.
- UL-recognized components used.
- Can be mounted in any orientation.
- Computer designed lead - calcium - tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Low self discharge.
- Flame retardant ABS, UL94V-0 / 92-2.
- Cell interconnectors and covers included.

The **pbq** SC-series is designed for a functional life of 13 years under float conditions at 25°C in accordance with the **EUROBAT** specifications or 15 years at 20°C.

The SC-series has been built and tested to live up to the most demanding applications in the fields of:

- Telecommunications.
- UPS systems.
- Emergency power supplies.
- Pumping systems in firefighting applications etc.

Features

- High Reliability and Good Quality.
- Deep Discharge Recovery.
- High Power Density.
- Long Service Life, in Float or Cyclic.
- International Standard, JIS and DIN.



Interconnectors are supplied with all cells.

Models available

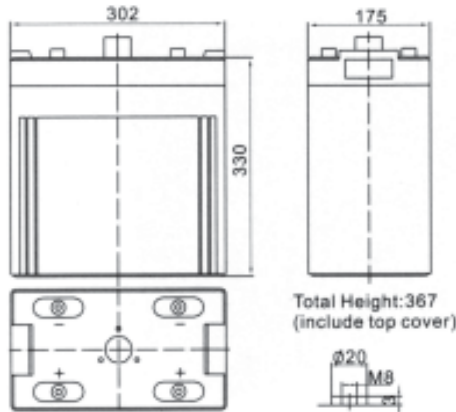
Model pbq..	Capacity	Dimensions (LxWxH/H.)	Weight
SC-100	100Ah	171x72x206/209mm	7,2kg
SC-200	200Ah	173x111x330/364mm	15kg
SC-300	300Ah	171x151x330/364mm	20,5kg
SC-400	400Ah	210x176x330/367mm	27,5kg
SC-500	500Ah	241x171x330/365mm	32,5kg
SC-600	600Ah	302x175x330/367mm	41kg
SC-800	800Ah	410x175x330/367mm	56kg
SC-1000	1000Ah	475x175x330/367mm	65kg
SC-1500	1500Ah	400x350x345/382mm	98kg
SC-2000	2000Ah	490x350x350/382mm	129kg
SC-3000	3000Ah	710x350x350/382mm	200kg



pbq SC-600, 2Volt - 600Ah with cover installed.



Please ask your pbq distributor for the complete range of racks for the SC-Series.



Voltage : 2 Volt
 Capacity : 600Ah
 Dimensions (LxWxH): 302x175x330/367mm
 Terminal : Copper M8 Insert
 Container & lid : Flame retardant ABS
 UL94V-0 / 92-2
 Standby design life : 15 years at 20°C
 Approximate weight : 41kg
 Packing : 1/box, 41,5kg
 24/pallet, 1000kg

Capacity
 10 hour rate (60A) : 600Ah
 5 hour rate (109A) : 545Ah
 1 hour rate (356A) : 356Ah
 15 min. rate (903A) : 226Ah

Operating temp. range : -15°C ~ +50°C

Self discharge:(remaining capacity @ 25°C)
 3 months : 91%
 6 months : 82%
 12 months : 65%

Internal Resistance (fully charged) : 0,32mOhm

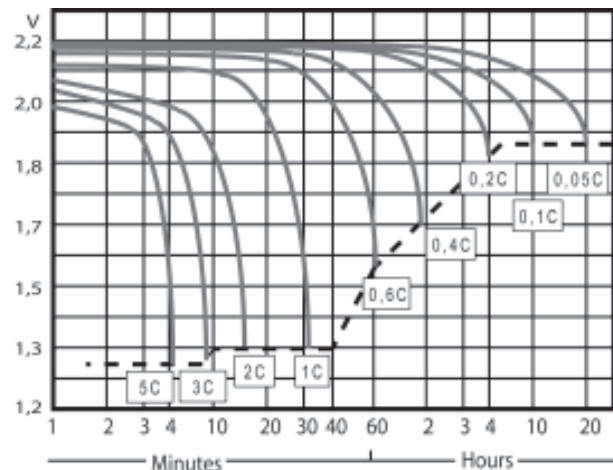
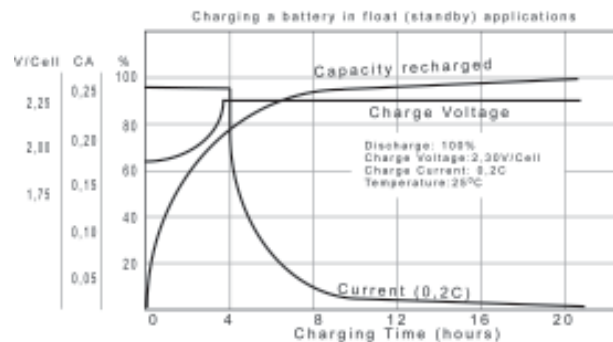
Capacity versus temperature
 40°C : 102%
 25°C : 100%
 0°C : 85%
 -15°C : 65%

Max. discharge current : 4000A (5 sec)

Charge (constant voltage)
 Maximum charge current 120A
 Float use: 2,23 - 2,3 Volt. -20mV/°C
 Cyclic use: 2,40 - 2,50 Volt. -30mV/°C

Typical Applications:

- Backup power for:
 - Hospitals
 - Telecommunication systems
 - Computer systems
- Off-shore applications
- Trains, metro and related signaling equipment
- Fire control systems



Constant Power Discharge Data (Ampère @ 25°C)

Voltage & Time	5min.	10min.	15min.	30min.	1hr.	3 hr.	5 hr.	10hr.	20hr.
1,60 Volt	1860	1260	990	630	390	158	113	60,9	32,5
1,70 Volt	1767	1197	950	605	374	156	111	60,4	32,2
1,80 Volt	1661	1125	903	575	356	153	109	60,0	32,0