



POWER Q
never will be dark



PQG12-100
12V 100A
Gel **Battery**



The POWER Q PGQ12-100 is a 12V 100Ah sealed lead-acid battery for reliable, maintenance-free power storage.

DIMENSIONS

Length (L)	338 ± 2 (13.31 ± 0.08)
Width (W)	170 ± 2 (6.69 ± 0.08)
Height (H)	212 ± 2 (8.35 ± 0.08)
Overall Height (HT)	217 ± 2 (8.54 ± 0.08)
Terminal	F8

(Units: mm (inch))

Operating Temperature Range

Charge	-15°C (5°F) to 40°C (104°F)
Discharge	-15°C (5°F) to 50°C (122°F)
Storage	-15°C (5°F) to 40°C (104°F)

Charge Retention (shelf life) at 20°C (68°F)

1 month	98%
3 month	94%
6 month	85%

Case Material

ABS UL94 HB

Option Flammability resistance of UL94 V-0

Description of torque value of hardware for the terminals

Recommended torque value:

M6: 7 N·m (71 Kgf·cm)

Maximum allowable torque value:

M6: 10 N·m (102 Kgf·cm)

SPECIFICATIONS

Nominal Voltage (V)

12v

Nominal Capacity

10 hour rate	(10 A to 10.80V)	100Ah
5 hour rate	(17A to 10.20V)	85Ah
1 hour rate	(60A to 9.60V)	60Ah
1C	(100A to 9.60V)	63.3Ah

Weight

Approx. 31.2 kg (68.6 lbs.)

Internal Resistance (at 1 KHz)

Approx. 5 mΩ

Maximum Discharge Current For

5 seconds: 600A

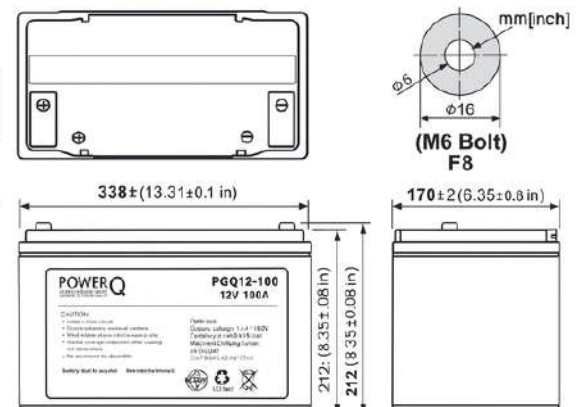
Charging Methods at 25°C (77°F)

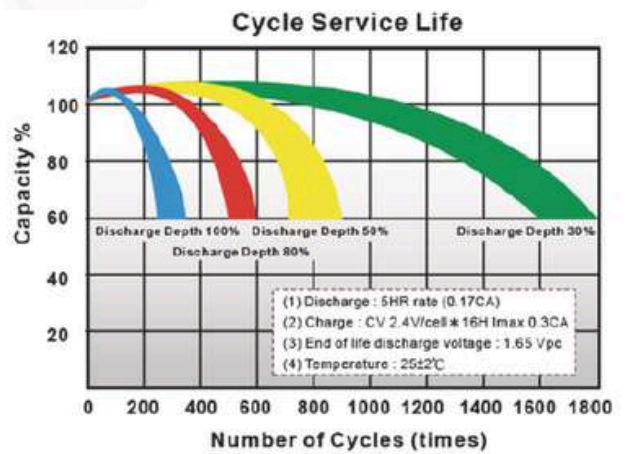
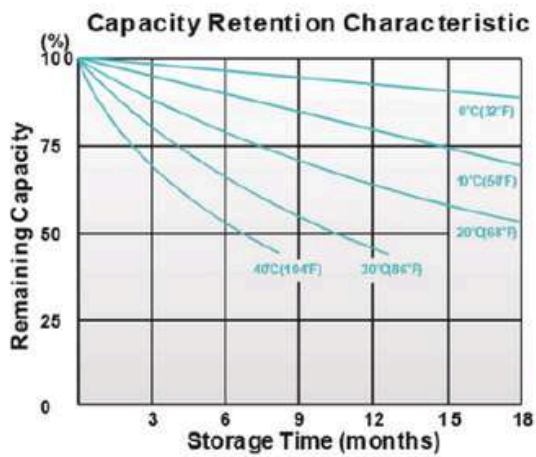
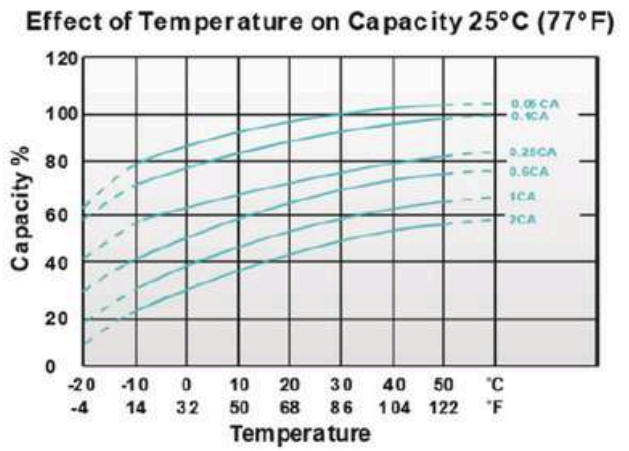
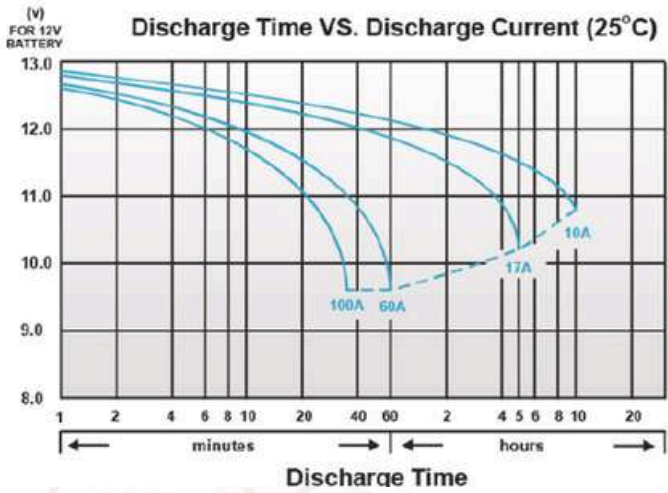
Cycle use:

Charging Voltage	14.4 to 15.0V
Coefficient	-5.0mV/°C/cell
Maximum Charging Current	30A

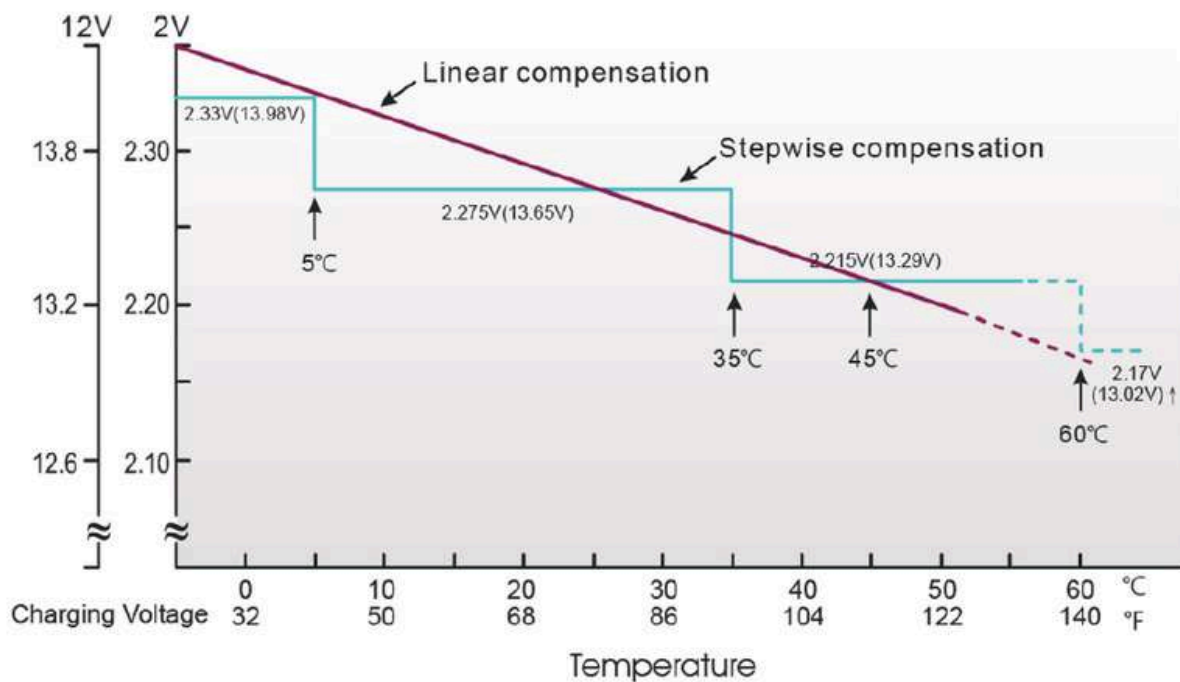
Standby use:

Float Charging Voltage	13.5 to 13.8V
Coefficient	-3.0 mV/°C/cell





Relationship Between Temperature and Charging Voltage



PQG12-100

12V 100A

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For inquiries, orders, or technical support, we are available 24/7 to assist you with your battery solutions.

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