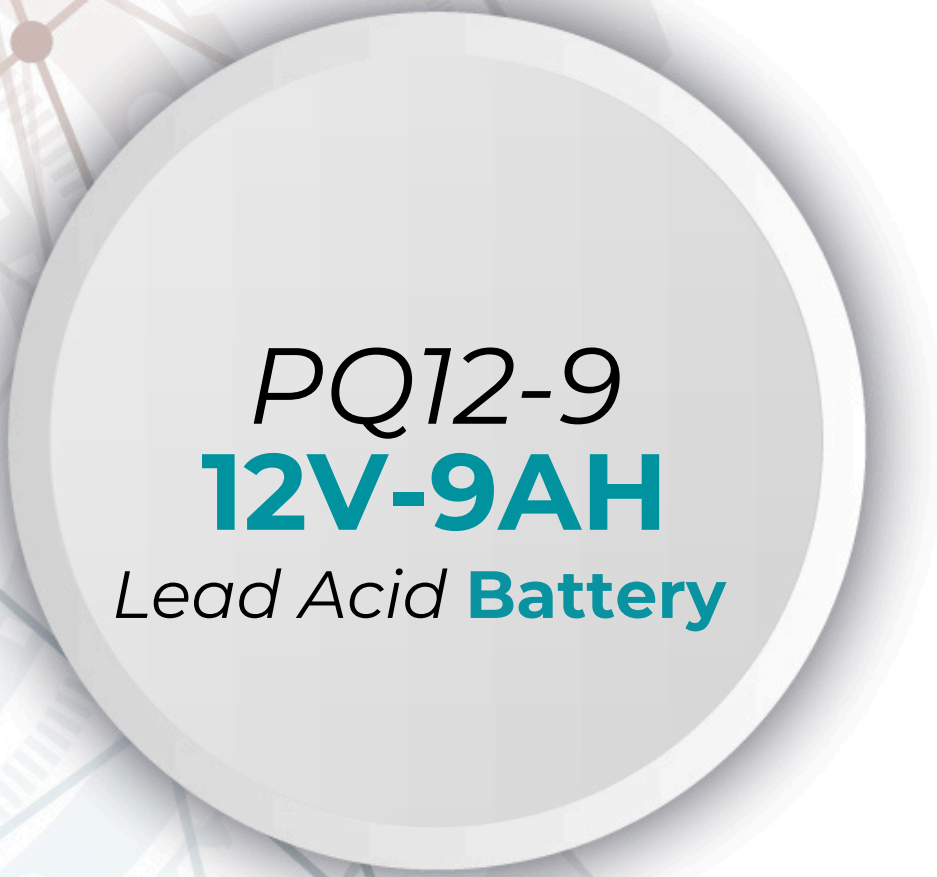




**POWERQ**  
never will be dark



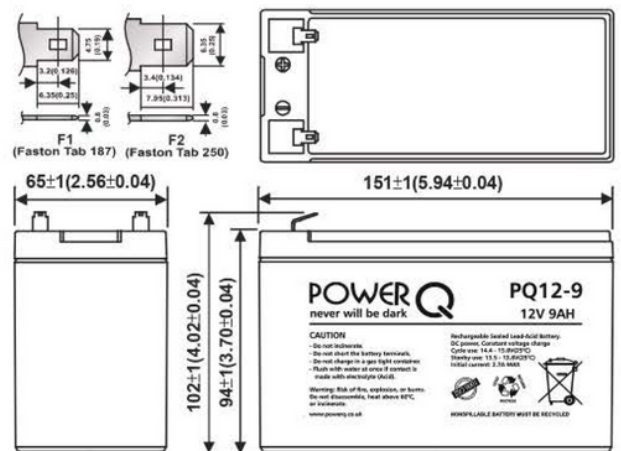
*PQ12-9*  
**12V-9AH**  
*Lead Acid Battery*



The PQ12-9 is a 12V-9Ah lead-acid battery designed for solar, UPS, and backup power. It delivers reliable performance, long service life, and stable energy storage.

## DIMENSIONS

<b>Length (L)</b>	151±1 (5.94±0.04)
<b>Width (W)</b>	65±1 (2.56±0.04)
<b>Height (H)</b>	94±1 (3.70±0.04)
<b>Overall Height (HT)</b>	102±1 (4.02±0.04)



## SPECIFICATIONS

(Units: mm (inch))

**Nominal Voltage (V)**

12v

**Nominal Power**

15 mins rate : 36W/cell to 1.60V/cell

**Nominal Capacity**

5 hour rate	(1.53A to 10.20V)	7.65Ah
1 C	(9A to 9.60V)	5.7Ah
3 C	(27A to 9.60V)	3.6Ah

**Weight**

Approx. 2.7kg (5.94 Lbs.)

**Internal Resistance (at 1 KHz)**

Approx. 16mΩ

**Maximum Discharge Current For**

5 seconds: 135A

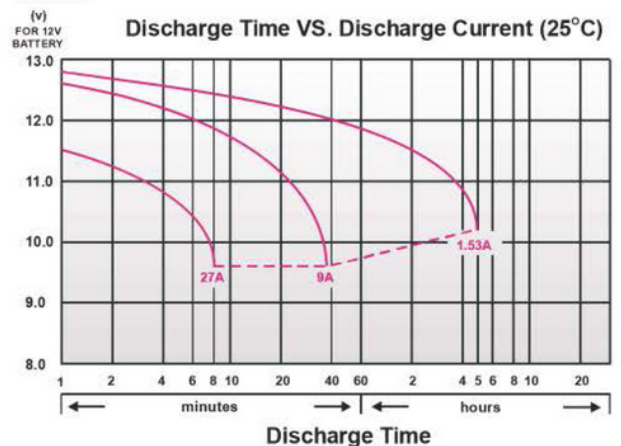
**Charging Methods at 25°C (77°F)**

### Cycle use:

Charging Voltage	14.4 to 15.0V
Coefficient	-5.0mV/°C/cell
Maximum Charging Current	2.7A

### Standby use:

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



(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	97%
3 months	92%
6 months	85%

### Case Material

ABS UL94 HB  
Optional: Flammability resistance of (UL94 V-0)

### Design Life & Standard

EUROBAT (20°C)  
3-5 YEARS STANDARD COMMERCIAL

### Terminal

F1 or F2 (Faston Tab 187 or 250)

## PERFORMANCE DATA

Discharge Rates in **Watts** to Various End Voltages at 25°C (77°F)

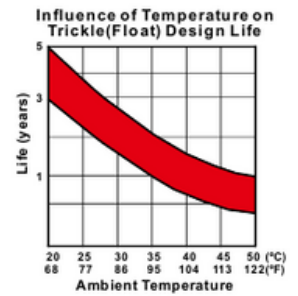
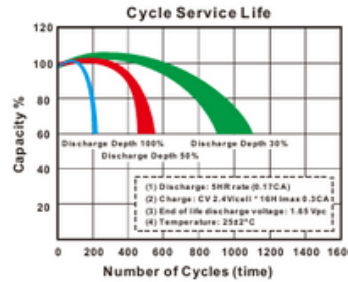
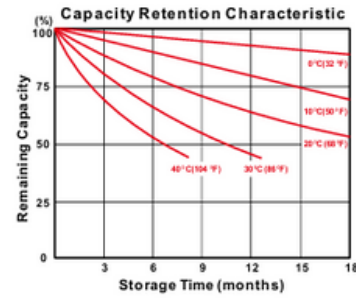
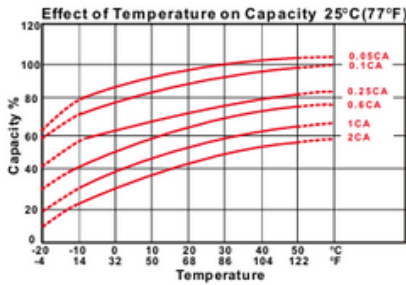
Time (min)	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	57.1	60.2	64.7	67.8	69.8	71.2	74.7
10	36.5	39.1	42.0	44.0	45.2	46.1	48.3
15	30.1	31.2	32.3	33.4	34.0	34.7	35.9
30	15.8	16.2	17.0	17.7	17.8	18.0	19.1
60	9.97	10.4	10.7	11.0	11.1	11.3	11.5
120	5.40	5.56	5.69	5.82	5.87	5.90	5.95
180	4.20	4.35	4.49	4.62	4.67	4.75	4.85
240	3.40	3.53	3.63	3.73	3.78	3.85	3.92
300	2.89	2.99	3.05	3.10	3.12	3.15	3.18
600	1.62	1.68	1.71	1.75	1.77	1.78	1.80
1200	0.853	0.882	0.902	0.907	0.910	0.913	0.918

Discharge Rates in **Amperes** to Various End Voltages at 25°C (77°F)

Time (min)	1.85V	1.80V	1.75V	1.70V	1.67V	1.65V	1.60V
5	30.4	32.6	35.0	36.7	37.4	38.5	40.3
10	19.1	20.4	21.9	22.9	23.4	24.1	25.2
15	14.3	14.9	15.8	16.5	16.8	17.3	18.0
30	8.09	8.45	8.93	9.35	9.54	9.77	10.2
60	5.17	5.29	5.37	5.45	5.48	5.52	5.57
120	2.63	2.72	2.78	2.84	2.86	2.98	2.93
180	2.12	2.18	2.23	2.27	2.29	2.31	2.34
240	1.69	1.74	1.77	1.80	1.81	1.82	1.83
300	1.46	1.51	1.53	1.55	1.56	1.57	1.58
600	0.827	0.841	0.855	0.866	0.871	0.877	0.884
1200	0.427	0.442	0.451	0.456	0.459	0.462	0.466

**All data on the spec.sheet is an average value:**

The tolerance range:  $x < 6\text{min}$  (+15%~-15%),  $6\text{min} \leq x < 10\text{min}$  (+12%~-12%),  $10\text{min} \leq x < 60\text{min}$  (+8%~-8%),  $x \geq 60\text{min}$  (+5%~-5%)



# PQ12-9 12V-9AH

## Lead-Acid Battery

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

**Phone:** +44 776 981 1995

**Email:** [info@powerq.co.uk](mailto:info@powerq.co.uk)

**Website:** [www.powerq.com](http://www.powerq.com)

