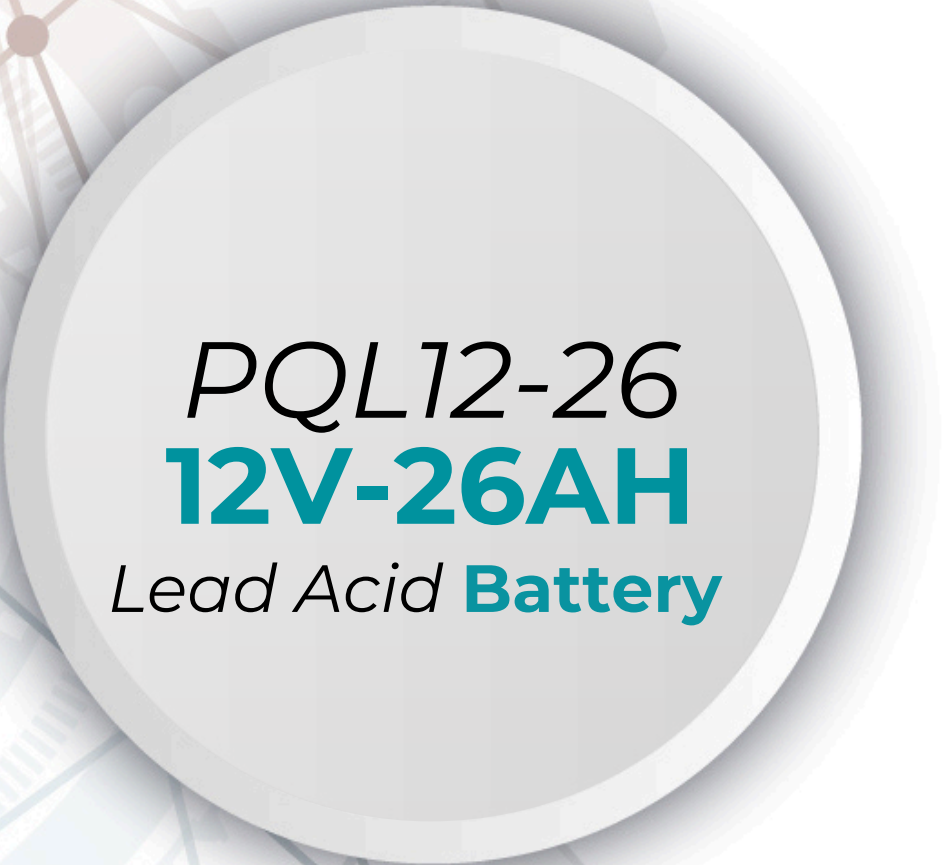




**POWERQ**  
never will be dark



*PQL12-26*  
**12V-26AH**  
*Lead Acid Battery*



The PQL12-26 is a 12V-26Ah 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>	$166 \pm \frac{2}{1} (6.54 \pm \frac{0.08}{0.04})$
<b>Width (W)</b>	$175 \pm \frac{2}{1} (6.89 \pm \frac{0.08}{0.04})$
<b>Height (H)</b>	$125 \pm \frac{2}{1} (4.92 \pm \frac{0.08}{0.04})$
<b>Overall Height (HT)</b>	$125 \pm \frac{2}{1} (4.92 \pm \frac{0.08}{0.04})$

Description of torque value of hardware for the terminals

**Recommended torque value:**

M5: 4 N·m (41 Kgf·cm)

**Maximum allowable torque value:**

M5: 6 N·m (61 Kgf·cm)

## SPECIFICATIONS

(Units: mm (inch))

**Nominal Voltage (V)** (numbers of cells: 6)

12v

**Nominal Capacity at 25°C (77°F)**

20 hour rate	(1.3A to 10.50V)	26Ah
10 hour rate	(2.47A to 10.50V)	24.7Ah
5 hour rate	(4.42A to 10.20V)	22.1Ah
1 C	(26A to 9.60V)	16.47Ah
3C	(78A to 9.60V)	10.4Ah

**Weight**

Approx. 8.8kg (19.4 Lbs.)

**Internal Resistance (at 1 KHz)**

Approx. 6.5mΩ

**Maximum Discharge Current For**

5 seconds: 390A

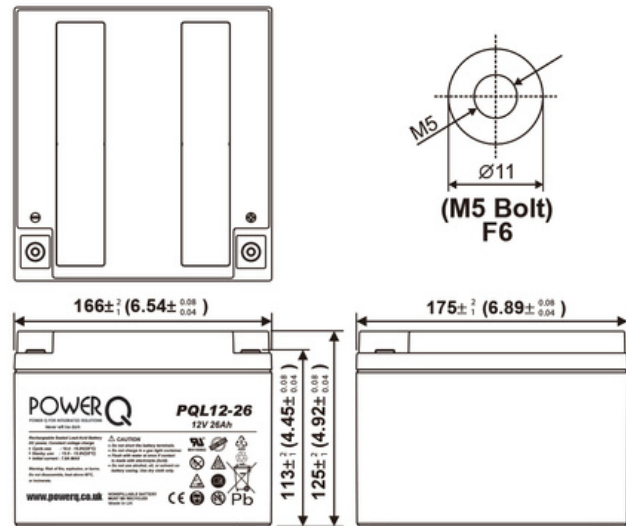
**Charging Methods at 25°C (77°F)**

### Cycle use:

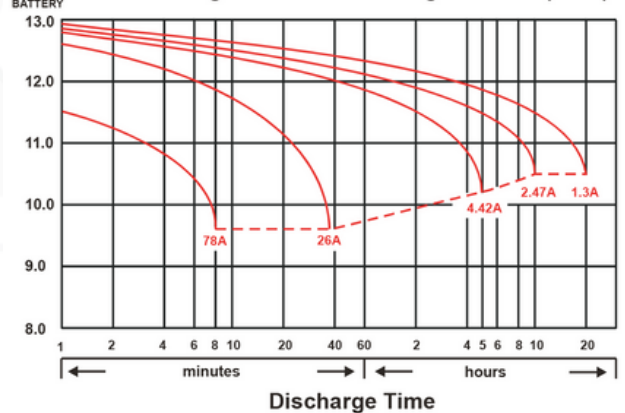
Charging Voltage	14.4 to 15.0V
Coefficient	-5.0mV/°C/cell
Maximum Charging Current	7.8A

### Standby use:

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



(V) FOR 12V BATTERY **Discharge Time VS. Discharge Current (25°C)**



(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

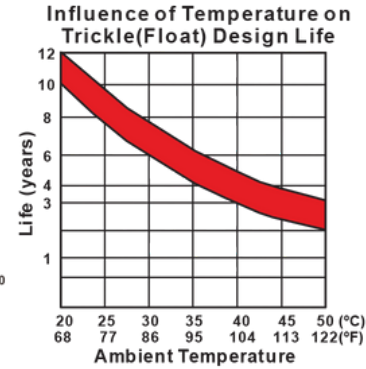
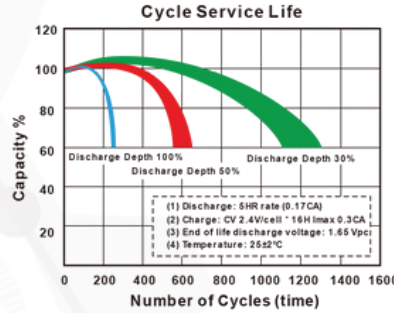
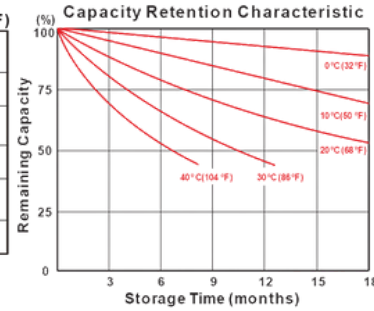
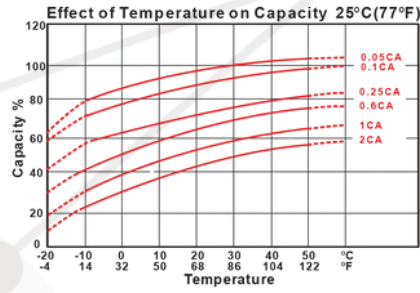
ABS UL94 HB  
Optional: Flammability resistance of (UL94-V0)

### Design Life & Standard

EUROBAT (20°C): 10/12 YEARS VERY LONG LIFE

### Terminal

F6



## 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	143	164	175	185	192	196	198
10	105	115	124	129	132	134	135
15	85.0	96.5	100	102	103	104	105
30	53.3	62.5	64.0	65.0	65.8	66.3	66.8
45	39.5	47.0	47.5	47.8	48.0	48.1	48.2
60	31.8	37.0	37.3	37.5	37.6	37.7	37.8
120	17.8	19.7	20.0	20.2	20.3	20.4	20.5
180	12.3	13.1	13.5	13.6	13.7	13.8	13.8
240	9.32	10.3	10.5	10.6	10.7	10.8	10.8
300	7.78	8.44	8.55	8.59	8.62	8.64	8.65
360	6.70	7.19	7.25	7.28	7.30	7.31	7.32
480	5.35	5.69	5.73	5.75	5.76	5.77	5.77
600	4.45	4.75	4.85	4.87	4.88	4.89	4.90
1200	2.62	2.68	2.74	2.77	2.79	2.81	2.83

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	69.2	80.8	88.5	96.0	101	104	107
10	50.5	56.5	61.0	65.0	67.5	69.0	70.0
15	40.8	47.0	49.5	51.5	53.0	53.5	54.0
30	25.3	30.0	31.0	31.7	32.2	32.7	33.0
45	18.8	22.3	23.0	23.4	23.6	23.8	24.0
60	15.0	17.5	17.8	18.0	18.2	18.4	18.5
120	8.30	9.22	9.35	9.45	9.53	9.61	9.68
180	5.75	6.13	6.50	6.65	6.68	6.71	6.73
240	4.50	4.90	5.00	5.10	5.15	5.18	5.20
300	3.75	4.00	4.20	4.35	4.45	4.48	4.50
360	3.25	3.47	3.52	3.55	3.57	3.59	3.60
480	2.60	2.75	2.78	2.83	2.86	2.88	2.90
600	2.20	2.40	2.60	2.62	2.63	2.64	2.65
1200	1.29	1.33	1.36	1.38	1.40	1.41	1.42

**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%)

# PQL12-26 12V-26AH

## 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)

