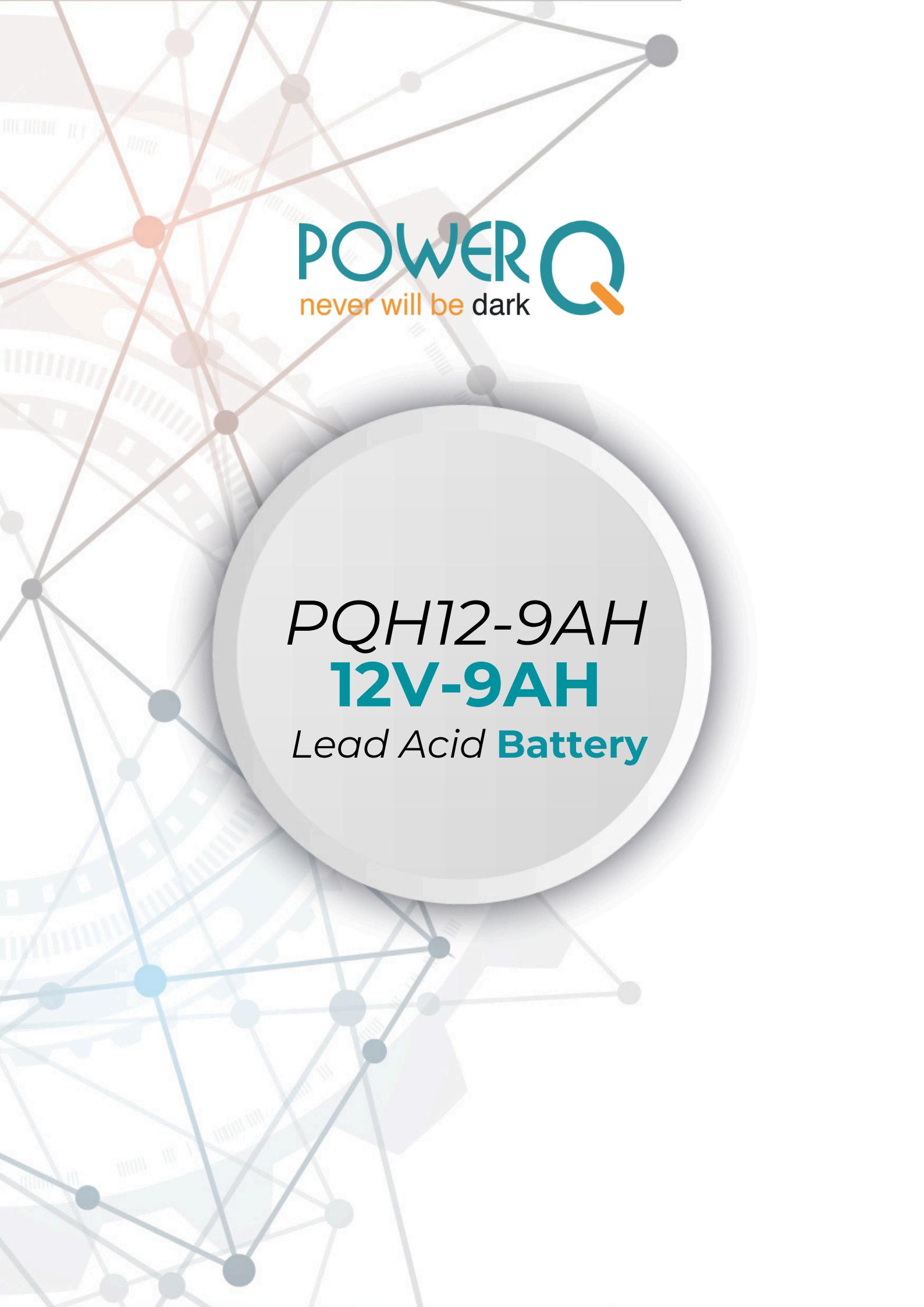




POWERQ
never will be dark

PQH12-9AH
12V-9AH
Lead Acid Battery



The PQH12-9AH is a 12V-9AH (High Rate) series Valve Regulated Lead Acid (VRLA) battery is designed for heavy load discharge applications with 8 years design life in float service. By using strong grids, thick plate and specially designed active material. It is with lower I.R, lower self discharge rate, high power, and longer service life. The HR series battery offers 30% more power output than the standard series. It is suitable for high power standby used, such as datacenter, UPS, EPS etc.

SPECIFICATION

Cells Per Unit	6
Voltage Per Unit	12V
Capacity	36W@15min-rate to 1.67V per cell @25°C
Weight	Approx. 2.40Kg (Tolerance±5%)
Internal Resistance	≤22.0 mΩ (Full Charge Condition @25°C)
Max. Discharge Current	90A (5 sec)
Short Circuit Current	450A
Max. Charging Current	2.7 A
Reference Capacity	C ₁₀ 8.5Ah C ₂₀ 9.0Ah
Float Charging Voltage	13.5 V~13.8 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Equalization Charging Voltage	14.1 V~14.4 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C Charge: 0°C ~50°C Storage: -20°C ~60°C
Normal Operating Temperature Range	25°C ± 5°C
Self Discharge	POWER Q Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charge batteries before using

Terminal

F2

M5

6~7 N*m

M6

8~10 N*m

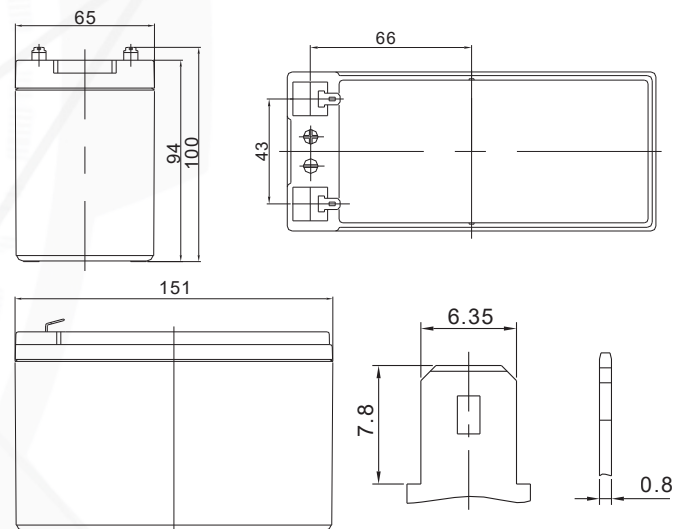
M8

10~12 N*m

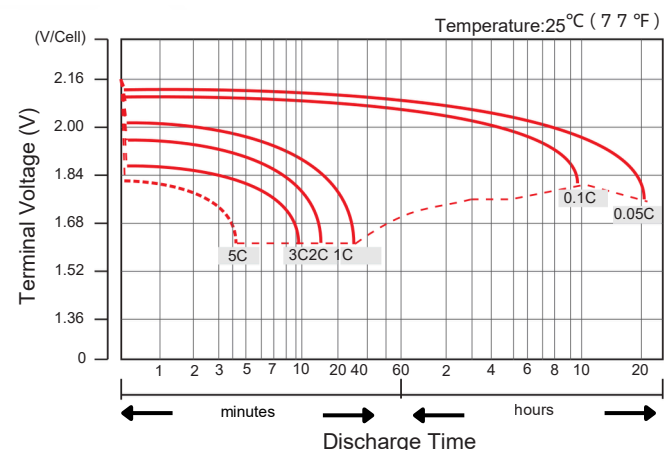
DIMENSIONS

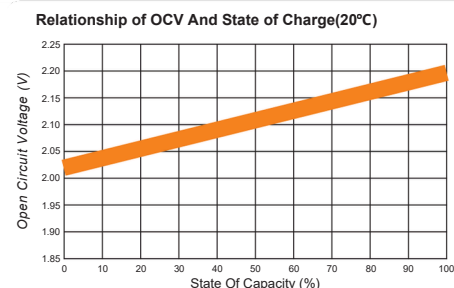
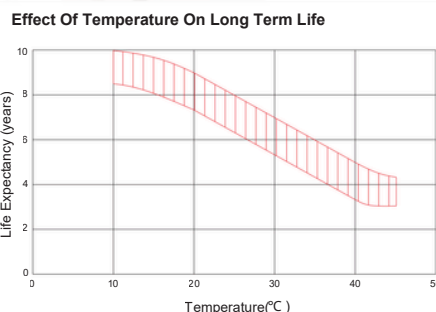
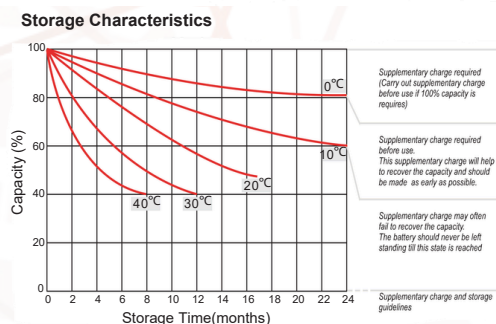
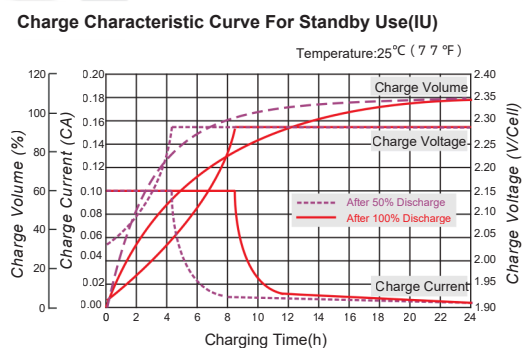
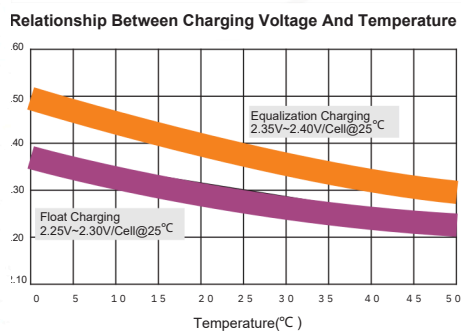
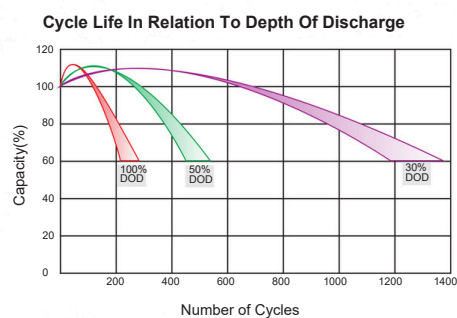
(Units: mm (inch))

Length (L)	151±1.5 (5.94)
Width (W)	65±1.5 (2.56)
Height (H)	94±1.5 (3.70)
Overall Height (HT)	100±1.5 (3.94)



Discharge CharacteristicsCurve





Case Material

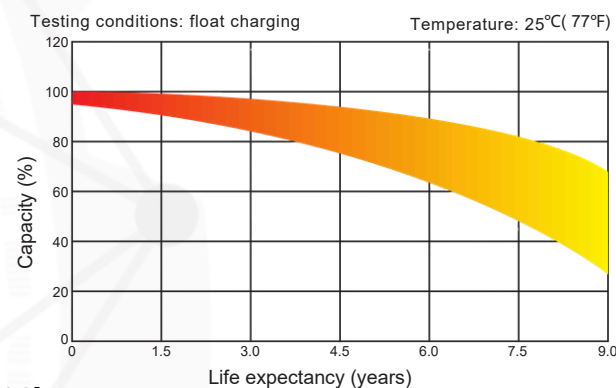
ABS UL94-HB

Optional: Flammability resistance of (UL94 V-0)

Design Life & Standard

8 years

Life Characteristics Of Standby Use



PERFORMANCE DATA

Constant Current Discharge Characteristics : A (25°C)

F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	46.94	41.26	32.97	28.26	20.85	16.39	11.68	6.548	4.642
1.67V	42.60	37.44	30.15	26.05	19.50	15.47	11.06	6.241	4.443
1.70V	40.76	35.83	28.95	25.11	18.90	15.06	10.79	6.105	4.360
1.75V	37.75	33.19	26.97	23.53	17.85	14.30	10.34	5.900	4.228
1.80V	34.58	30.40	24.93	21.95	16.95	13.63	9.889	5.679	4.078
1.85V	29.57	25.99	21.24	18.63	14.54	11.84	8.745	5.133	3.730

Constant Power Discharge Characteristics : W/Cell (25°C)

F.V/Time	3MIN	5MIN	8MIN	10MIN	15MIN	20MIN	30MIN	60MIN	90MIN
1.60V	84.36	74.16	59.46	51.16	38.10	30.17	21.58	12.28	8.787
1.67V	77.51	68.13	55.11	47.84	36.00	28.79	20.78	11.82	8.488
1.70V	74.84	65.79	53.34	46.42	35.25	28.18	20.29	11.63	8.356
1.75V	70.00	61.53	50.25	44.05	33.60	27.11	19.65	11.31	8.140
1.80V	64.98	57.12	47.01	41.53	32.10	26.04	19.00	10.98	7.925
1.85V	56.46	49.63	40.62	35.68	27.90	22.82	16.91	9.993	7.278

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

obtained within three charge/discharge cycle not the minimum values

PQH12-9AH

12V-9AH

High Rate 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

Website: www.powerq.com



ISO 9001



ISO 14001



ISO 45001



MH 28539



BSTXD210316008507EC

