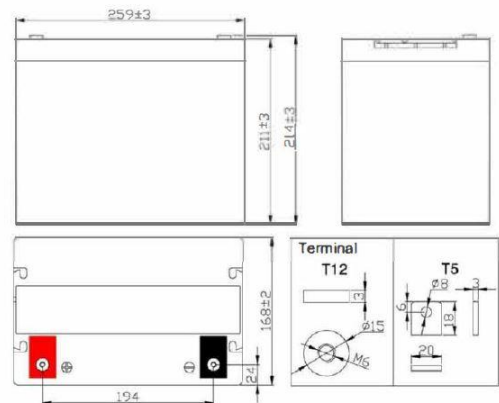


PQ1275T5/T12 (12V 75Ah)

Specifications	
Nominal Voltage	12V (6 Cells in series)
Rated Capacity 77°F(25°C)	75.0Ah (C10, 1.80V/cell)
Dimensions (mm)	Length 259 ± 3 mm
	Width 168 ± 2 mm
	Height 211 ± 3 mm
	Total height (T12) 214 ± 3 mm
	Total Height (T5) 229 ± 3 mm
Nominal Capacity @25 °C	20 Hour Rate (3.752A to 10.8 volts) 80,4Ah
	10 Hour rate (7.070A to 10.8 volts) 75,7Ah
	5 Hour rate (12.10A to 10.8 volts) 64,8Ah
	1 Hour rate (44.31A to 10.5 volts) 47,4Ah
Approx. Weight	21.5 kg
Terminal	T12/T5
Max. Discharge Current	600A @25°C (5s)
Internal Resistance	7.5mΩ @25°C (Full Charged Battery)
Floating Design Life	10 years @25°C
Ambient Temperature	Charge: -15°C~50°C
	Discharge: -20°C~60°C
	Storage: -20°C~50°C
Container Material	A.B.S., UL94-HB, UL94-V0, Optional
Self Discharge	VRLA batteries can be stored for more than 6 months at 25°C. Self-discharge ratio less than 3% per month at 25°C. Please charge batteries before using.



Certification

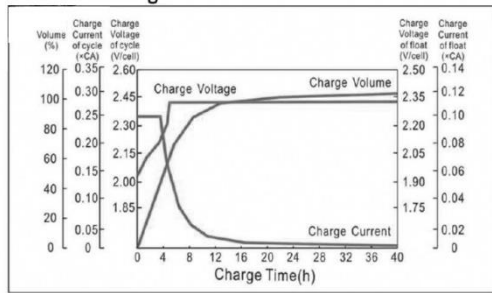


Constant Current Discharge Characteristics (A), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	251,3	161,3	131,3	84,38	58,75	29,14	20,16	13,52	9,315	8,775	4,320
1.70V/cell	221,3	146,3	125,6	82,13	48,08	28,76	19,91	13,37	9,165	7,725	4,170
1.75V/cell	198,8	135,0	118,9	79,88	47,48	28,39	19,69	13,16	9,075	7,650	4,095
1.80V/cell	172,5	122,3	111,4	76,80	46,50	28,00	19,31	12,97	8,940	7,575	4,020

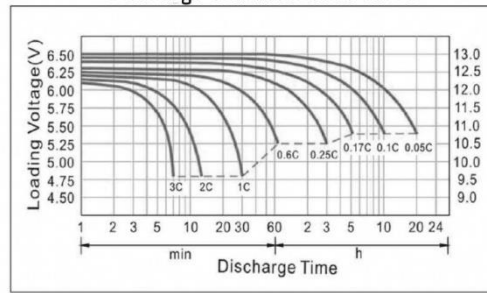
Constant Wattage Discharge Characteristics (Watt), (25°C)											
F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	433,4	287,6	238,4	157,5	93,44	56,82	39,98	26,89	18,54	15,68	14,64
1.70V/cell	390,9	265,7	231,4	154,7	92,54	56,33	39,59	26,64	18,28	15,42	8,340
1.75V/cell	356,1	248,6	220,9	151,8	91,79	55,83	39,24	26,30	18,15	15,30	8,190
1.80V/cell	313,4	228,2	208,8	147,2	90,29	55,53	38,59	25,94	17,88	15,15	8,040

PQ1275T5/T12 (12V 75Ah)

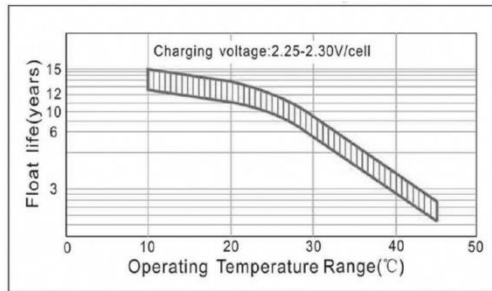
Charge Characteristics Curve



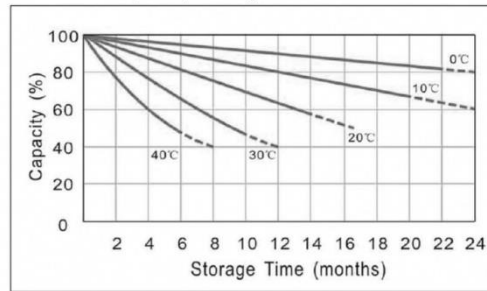
Discharge Characteristics Curve



Float Service Life VS Temperature



Capacity Storage Characteristics



Capacity Factors with Different Temperature

Battery type		-20 C	-10 C	0 C	5 C	10 C	20 C	25 C	30 C	40 C	45 C
GEL Battery	6V&12V	50%	70%	83%	85%	90%	98%	100%	102%	104%	105%
	2V	60%	75%	85%	88%	92%	99%	100%	103%	105%	106%
AGM Battery	6V&12V	46%	66%	76%	83%	90%	98%	100%	103%	107%	109%
	2V	55%	70%	80%	85%	92%	99%	100%	104%	108%	110%

Application	Charging method	Charge voltage at 25 C	Temperature compensation coefficient of charging voltage	Max. charging current	Temperature
For standby power source	Constant voltage charging (with current restriction)	2.25~2.3V/cell	-3mV/C/cell	0.2CA	-15~50 C
For cycle service		2.4~2.45V/cell	-4mV/C/cell		

Every Month, recommend inspection every battery voltage.

- Every three months, recommend equalization charge for one time.

Step 1: Discharge: 100% rate capacity discharge.

Step 2: Charge: Max. Current 0.3CA, constant voltage 2.40-2.45V/cell charge 24h.

- Length of service life will be directly affected by the number of discharge cycles, depth of discharge, ambient temperature and charging voltage.
- Charge the batteries at least once every six months, if they are stored at 25 C.

Constant voltage: -0,2C x 2h+2,4~2,45V/cell x 24h, Max. Current 0.25CA.

Constant current: -0,2C x 2h+0,1C x 12h

Fast: -0,2C x 2h+0,3C x 4h.