PSS65-12

12V65Ah

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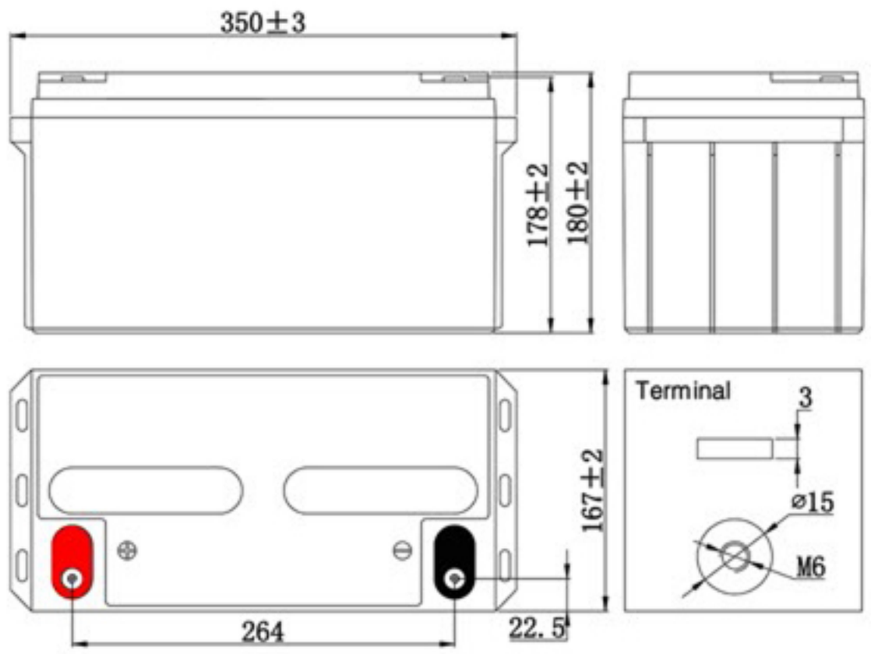
Specification

Nominal Voltage (V)	12V (6 cells in series)	
Rated Capacity	65.0Ah	(C_{10},1.80V/cell)
Dimensions(mm)	Length	350 ± 3 mm
	Width	167 ± 2 mm
	Height	180 ± 2 mm
	Total Height	180 ± 2 mm
Nominal Capacity @25℃ (Ah)	20 Hour rate (3.484A to 10.8 volts)	69.6Ah
	10 Hour rate (6.565A to 10.8 volts)	65.6Ah
	5 Hour rate (11.24A to 10.8 volts)	56.2Ah
	1 Hour rate (41.15A to 10.5 volts)	41.1Ah
Approx. Weight	20 kg	
Terminal	T12	
Max.Discharge Current	520A @25℃ (5s)	
Internal Resistance	6.5mΩ @25℃ (Full Charged Battery)	
Floating Design Life	10 years @25℃	
Ambient Temperature	Charge：-15℃~50℃ Discharge：-20℃~60℃ Storage：-20℃~50℃	
Container Material	A.B.S , UL94-HB , UL94-V0 , Optional	
Self Discharge	VRLA batteries can be stored for more than 6 months at 25℃. Self-Discharge ratio less than 3% per month at 25℃. Please charge batteries before using.	



Certification

MH28792

XK06-006-00763

ISO 9001 QUALITY ASSURED FIRM

ISO 14001 ENVIRONMENT ASSURED FIRM

OHSAS 18001 HEALTH&SAFETY ASSURED FIRM

TLC

Constant Current Discharge Characteristics (A), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	217.8	139.8	113.8	73.13	42.25	25.25	17.47	11.72	8.073	6.825	3.744
1.70V/cell	191.8	126.8	108.9	71.18	41.67	24.93	17.26	11.58	7.943	6.695	3.614
1.75V/cell	172.3	117.0	103.0	69.23	41.15	24.60	17.06	11.41	7.865	6.630	3.549
1.80V/cell	149.5	106.0	96.53	66.56	40.30	24.26	16.74	11.24	7.748	6.565	3.484

Constant Wattage Discharge Characteristics (Watt), (25°C)

F.V/TIME	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	375.6	249.2	206.6	136.5	80.98	49.24	34.65	23.30	16.07	13.59	7.482
1.70V/cell	338.8	230.3	200.5	134.0	80.21	48.82	34.31	23.09	15.85	13.37	7.228
1.75V/cell	308.6	215.5	191.5	131.5	79.55	48.38	34.01	22.80	15.73	13.26	7.098
1.80V/cell	271.6	197.8	181.0	127.6	78.25	48.12	33.45	22.48	15.50	13.13	6.968

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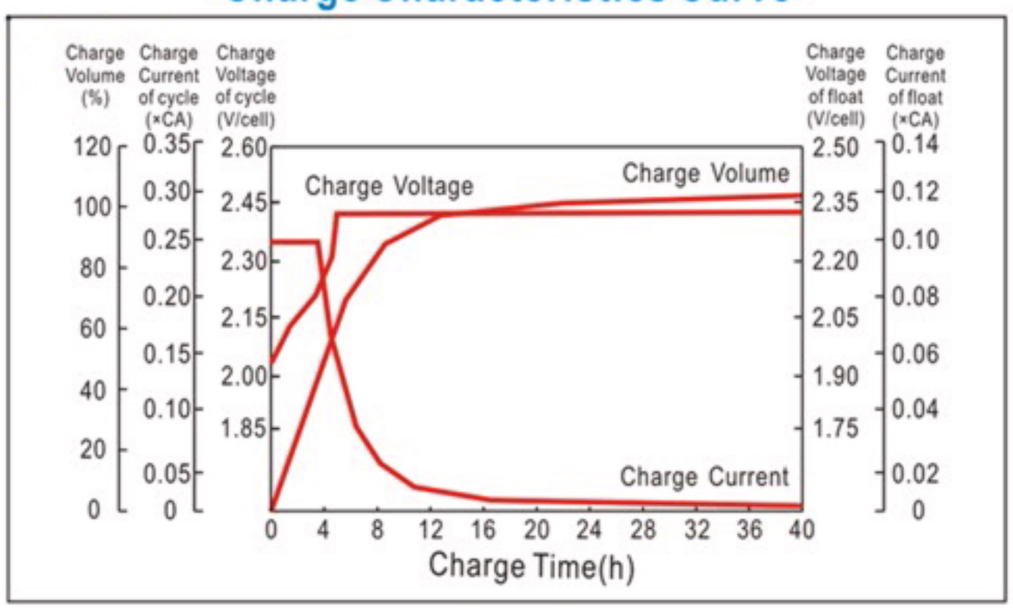
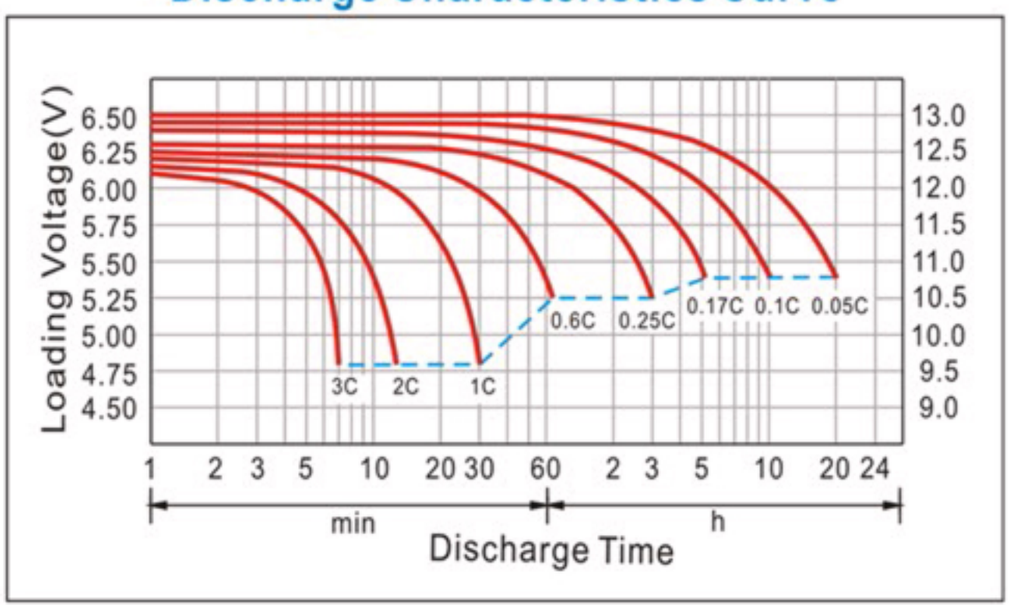
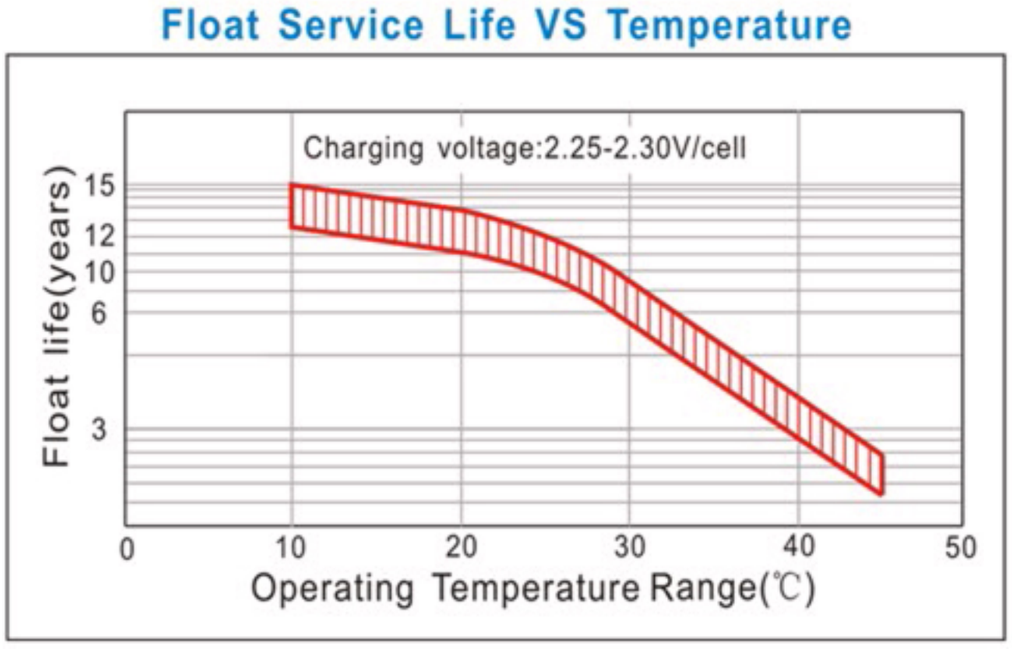
Charge Characteristics Curve



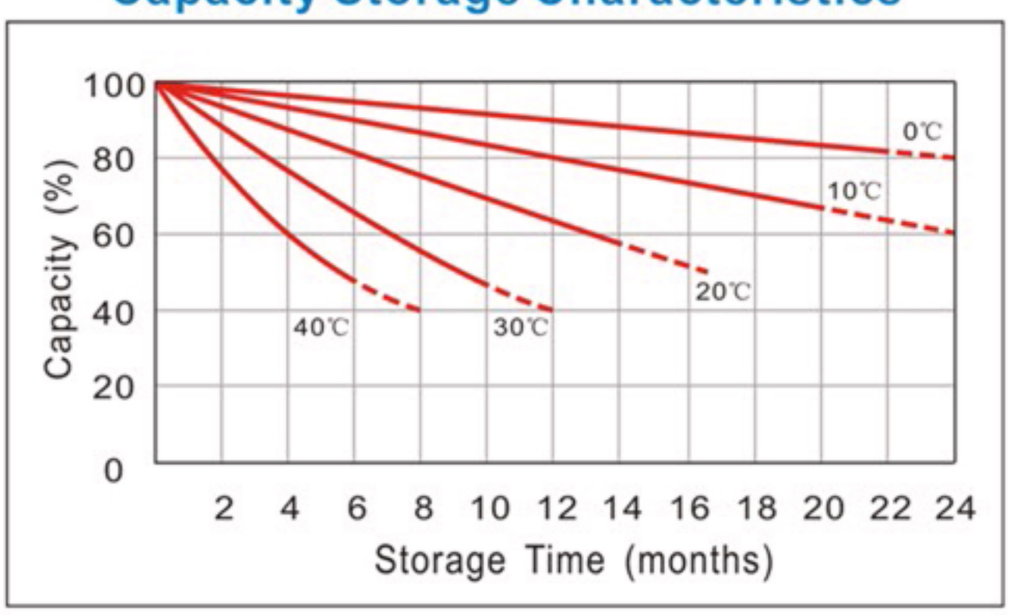
Discharge Characteristics Curve



Float Service Life VS Temperature



Capacity Storage Characteristics



Capacity Factors with Different Temperature

Battery type		−20℃	−10℃	0℃	5℃	10℃	20℃	25℃	30℃	40℃	45℃
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%

Maintenance & Cautions

☑ Charging Procedure：

Application	Charging method	Charge voltage at 25℃	Temperature compensation coefficient of charging voltage	Max.charging current	Temperature
For standby power source	Constant voltage charging (With current restriction)	2.25~2.3 V/cell	−3mV/℃/cell	0.2CA	−15~50℃
For cycle service		2.4~2.45V/cell	−4mV/℃/cell	0.3CA	

☑ Every month, recommend inspection every battery voltage.

☑ Every three months, recommend equalization charge for one time.Equalization charge method:

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℃.Charging Method:

Constant Voltage : −0.2C × 2h+2.4~2.45V/cell × 24h , Max. Current 0.25CA

Constant Current : −0.2C × 2h+0.1C × 12h

Fast : −0.2C × 2h+0.3C × 4h

☑ Terminal of torque:

Bolt	M5	M6	M8
Terminal	T3、T10	T4、T7、T11、T12、T13	T5、T6、T8、T9、T14
Torque	6~7N·m	8~10N·m	10~12N·m