INVERTRONS

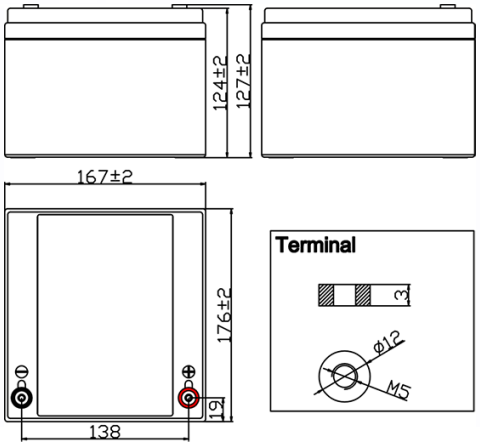
PS26-12

(12V 26Ah)

SPECIFICATION

Nominal Voltage	12V (6 cells in series)	
Rated Capacity	26Ah	(C_{20},1.75V/cell)
Dimensions(mm)	Length Width Height Total Height	167±2 mm 176±2 mm 124±2 mm 127±2 mm
Nominal Capacity @25℃ (Ah)	20 Hour rate (1.263A to 10.5 volts) 10 Hour rate (2.413A to 10.5 volts) 5 Hour rate (4.313A to 10.5 volts) 1 Hour rate (15.28A to 9.6 volts) 15 min rate (45.24A to 9.6 volts)	26.2Ah 25.1Ah 21.5Ah 15.2Ah 11.3Ah
Approx. Weight	7.4 kg	
Terminal	T10	
Max.Discharge Current	375A @25℃ (5s)	
Internal Resistance	12mΩ @25℃ (Full Charged Battery)	
Floating Design Life	5 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.	





COMPANY CERTIFICATION

MH28792

ISO 9001 · ISO 14001 · OHSAS 18001

CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A), (25℃)

F.V/Time	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	92.71	60.75	45.24	24.09	15.28	8.606	6.538	4.410	2.920	2.500	1.338
1.70V/cell	84.13	56.28	42.65	23.38	14.93	8.472	6.375	4.345	2.875	2.438	1.290
1.75V/cell	75.55	52.76	40.30	22.68	14.75	8.401	6.313	4.313	2.850	2.413	1.263
1.80V/cell	67.80	49.35	37.95	21.97	14.53	8.331	6.238	4.263	2.813	2.375	1.213

CONSTANT WATTAGE DISCHARGE CHARACTERISTICS (WATT), (25℃)

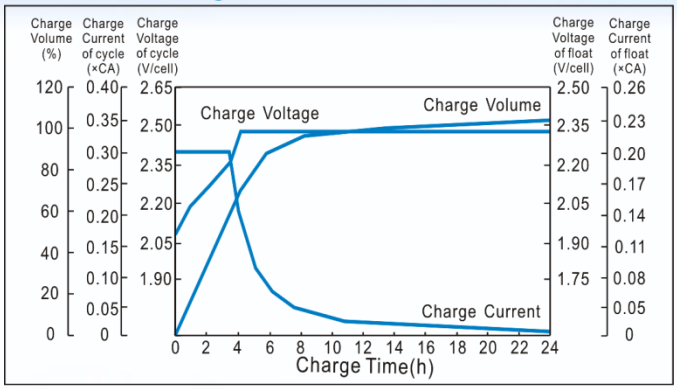
F.V/Time	5min	10min	15min	30min	60min	2H	3H	5H	8H	10H	20H
1.60V/cell	167.6	110.9	83.31	45.97	30.30	17.07	13.03	8.798	5.825	4.992	2.675
1.70V/cell	154.9	104.6	79.97	45.01	29.74	16.87	12.73	8.676	5.740	4.875	2.584
1.75V/cell	141.0	99.80	76.24	44.03	29.39	16.75	12.61	8.618	5.695	4.829	2.536
1.80V/cell	127.7	94.18	72.43	43.03	29.00	16.62	12.48	8.525	5.625	4.754	2.435

INVERTRONS

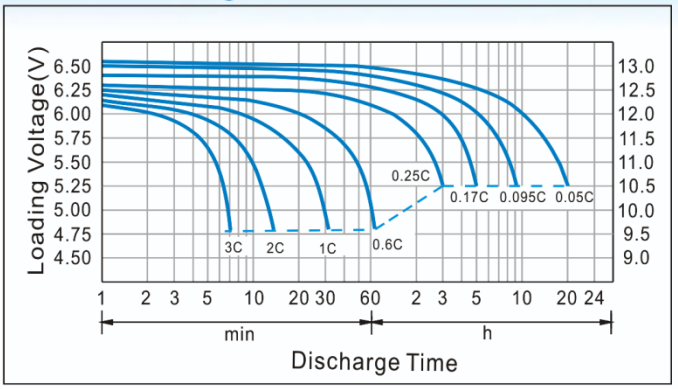
PS26-12

(12V 26Ah)

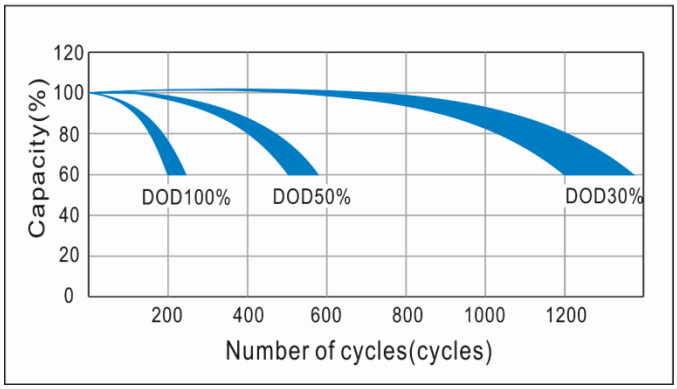
Charge Characteristics Curve



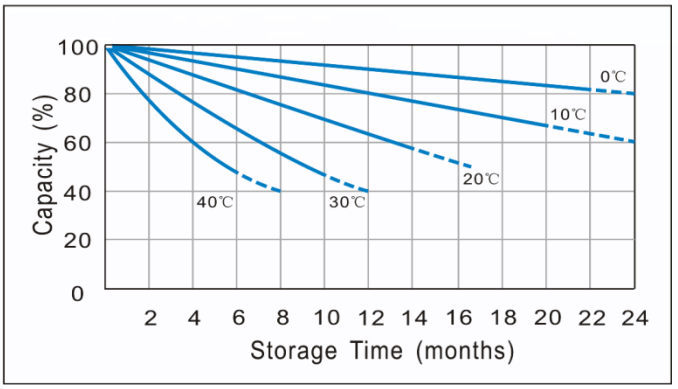
Discharge Characteristics Curve



Cycle service life in relation to depth of discharge



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)	2.25~2.30 V/cell	-3mV/℃/cell	0.2CA	-15~50℃
For cycle service		2.45~2.50 V/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 2.45-2.50V/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+2.45-2.50V/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

Note： The manufacturer reserves the right to change and modify the design and specifications without prior notice