VRLA Rechargeable Battery

BPS26-12 (BPS26-12FR)

FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- Absorbent Glass Mat technology for efficient gas recombination

APPLICATION

- UPS
- Wheelchairs
- Lawn Mowers
- Electronic Medical Equipment
- Golf-Carts

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	20 Hour Rate (1300mA, 10.5V)	26.0 Ah
	10 Hour Rate (2470mA, 10.5V)	24.7 Ah
	5 Hour Rate (4420mA, 10.5V)	22.1 Ah
	1 Hour Rate (15600mA,9.3V)	15.6 Ah
Approx. Weight	9400g(20.73lbs.)	
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional	
Max. Discharge Current	390 A (5 sec.)	
Max. Charge Current	7.8 A	
Operating Temperature Range	Charge	0°C~40°C(32°F~104°F)
	Discharge	-20°C~50°C(-4°F~122°F)
	Storage	-20°C~40°C(-4°F~104°F)
Self Discharge	< 3% per month (25°C)	
Internal Resistance	≦10mΩ (Fully Charged)	

CONTAINER MATERIAL

- BPS26-12:
  ABS: UL 94-HB (Dark gray color)
- BPS26-12FR:
  ABS: UL 94-V0 (Light gray color)

ISO 9001 | ISO14001

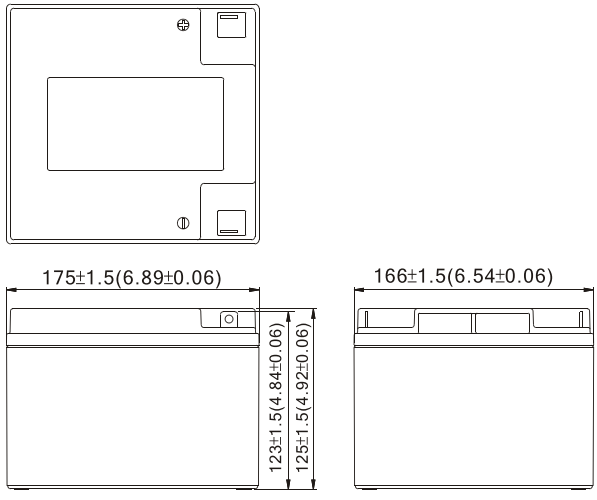
MH19884 | C4M20310-2474-E-16

UL | CE

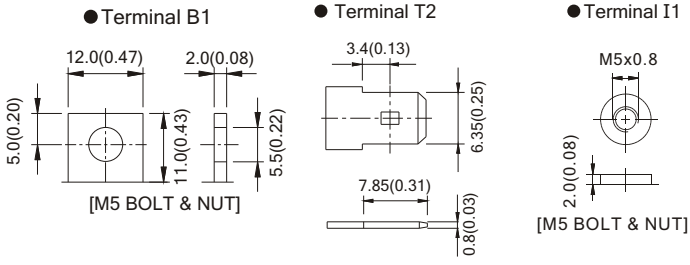
- IEC61056
- JIS C 8702
- GB/T 19639

OUTER DIMENSIONS mm(inch)

Length (L)	Width (W)	Container Height (H)	Total Height (TH)
175±1.5(6.89±0.06)	166±1.5(6.54±0.06)	123±1.5(4.84±0.06)	125±1.5(4.92±0.06)

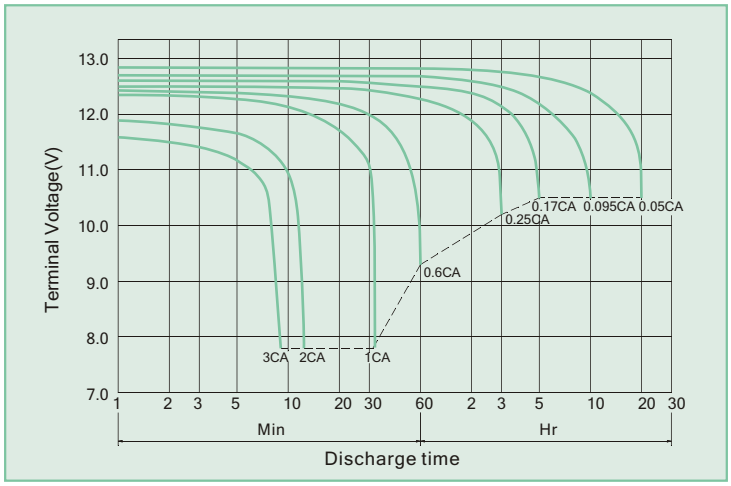


TERMINAL TYPE

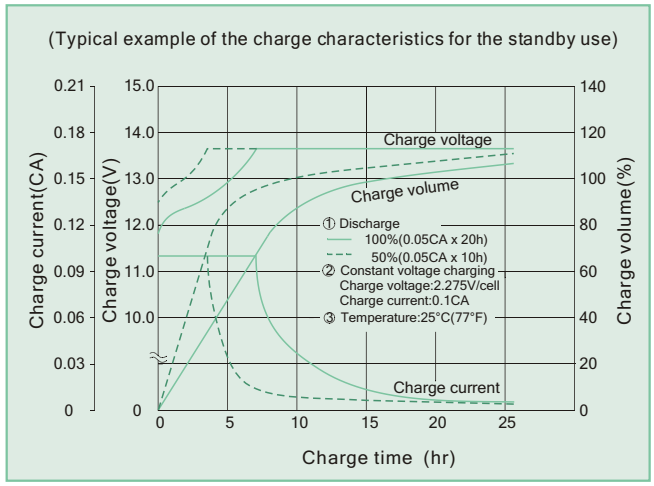


Terminal Hardware Initial Torque:
B1(2.5Nm±5%),I1(4.0Nm±5%)

BPS26-12 (BPS26-12FR) discharge characteristics (25℃ /77℉)



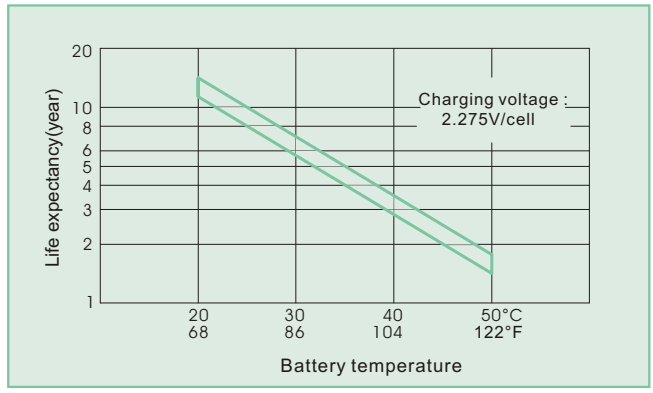
Battery Charging Characteristics



Charging Procedure

Application	Charging method	Charging Voltage at 25℃ (V/cell)	Temperature compensation coefficient of charging voltage (mV/℃ /cell)	Max. charging current (CA)	Charging time 0.1CA, 25℃ (h)		Temp (℃)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~40 (32~104°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

Effect Of Temperature On Long Term Float Life



Constant power discharge characteristics at 25 °C/77 °F Unit: W

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	940	692	555	330	189.2	75.79	52.25	29.20	15.37
1.75V	1088	750	580	342	194.9	77.30	53.04	29.64	15.60
1.70V	1156	777	598	350	198.4	78.00	53.33	29.79	15.68
1.65V	1208	795	612	355	200.8	78.54	53.52	29.88	15.72
1.60V	1248	811	624	359	202.8	79.01	53.68	29.88	15.72

Constant current discharge characteristics at 25 °C/77 °F Unit: A

F.V. (V/cell) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
1.80V	84.7	60.9	48.2	28.0	15.90	6.32	4.35	2.433	1.281
1.75V	99.8	66.0	50.4	29.0	16.38	6.44	4.42	2.470	1.300
1.70V	106.1	68.4	52.0	29.7	16.67	6.50	4.44	2.482	1.307
1.65V	110.8	70.0	53.2	30.1	16.87	6.55	4.46	2.490	1.310
1.60V	114.5	71.4	54.3	30.4	17.04	6.58	4.47	2.490	1.310

A/0 REV. Aug. 2009