

VRLA Rechargeable Battery

MPL88-12 Standard Type

FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed with very lower resistance and exceeding high power performance.
- Carry handles for easy installation
- Absorbent Glass Mat technology for efficient gas recombination

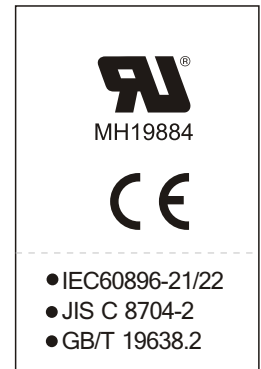
APPLICATIONS

- UPS
- Telecom
- Cable TV
- Power station
- Golf-Carts
- Marine



SPECIFICATIONS

Nominal Voltage	12V
Nominal Capacity	360W @15 min-rate to 1.60V per cell @ 25°C(77°F)
Approx. Weight	26.4Kg(58.2lbs.)
Terminals	I2, B5 (Fitting M6 bolt & nut)
Max. Charge Current	25.8 A
Short Circuit Current	2300 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)
Internal Resistance	≤ 4mΩ (Fully Charged)
Container Material	Standard: ABS(UL94 HB) MPL88-12 Optional: Flame Retardant ABS (UL94 V-0) MPL88-12FR

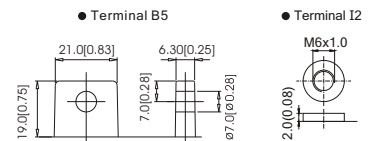
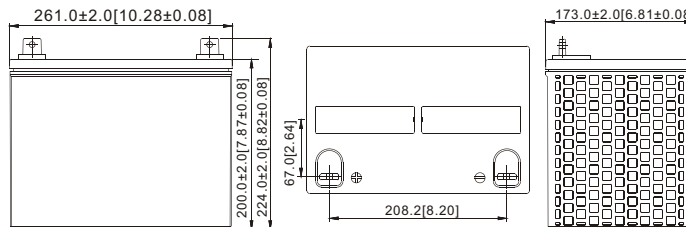


DIMENSION(mm/inch)

OUTER DIMENSIONS

TERMINAL TYPE

- **Length**
261±2.0(10.28±0.08)
- **Width**
173±2.0(6.81±0.08)
- **Container Height**
200±2.0(7.87±0.08)
- **Total Height**
B5: 224±2.0(8.82±0.08)
I2: 207±2.0(8.15±0.08)



Terminal Hardware Initial Torque:
B5,I2(5.5Nm±5%)

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

Discharge Time F.V.	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	40 Min	50 Min	60 Min	90 Min
10.8V	3048	2240	1901	1554	1348	1183	950	800	692	492
10.5V	3416	2402	2012	1615	1389	1214	971	817	704	501
10.2V	3643	2505	2081	1656	1416	1233	986	827	713	506
9.9V	3795	2583	2128	1689	1438	1247	998	835	719	510
9.6V	3904	2630	2160	1712	1456	1260	1008	842	725	514

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

Discharge Time F.V.	5 Min	10 Min	15 Min	20 Min	25 Min	30 Min	40 Min	50 Min	60 Min	90 Min
10.8V	284	197	165	133	113	99	79	67.1	58.2	41.5
10.5V	311	212	174	138	119	102	81	68.2	59.2	42.1
10.2V	331	221	180	142	122	104	82	69.3	59.8	42.6
9.9V	344	228	185	145	123	105	83	70.4	60.4	42.9
9.6V	355	232	188	147	124	107	85	70.4	60.8	43.2