

VRLA Rechargeable Battery

EVP20-12



FEATURES

- Absorbent Glass Mat technology for efficient gas recombination
- 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 for high power & high cyclic usage

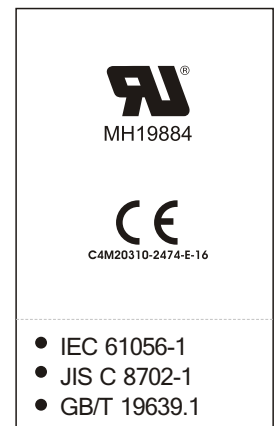
APPLICATIONS

- UPS
- Emergency Lights
- Fishing Lights
- Lawn Mowers
- Electrical Bicycle
- Golf Trolley



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	20Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	6600g(14.55lbs.)
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤9mΩ (Fully Charged)
Max. Discharge Current	300 A (5 sec.)
Max. Charge Current	6.0 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)
Container Material	Standard: ABS(UL 94-HB) EVP20-12 Optional: Flame Retardant ABS(UL94 V-0) EVP20-12FR



DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ Length 181±1.5 (7.13±0.06) ■ Width 76±1.5 (2.99±0.06) ■ Container Height 166±1.5 (6.54±0.06) ■ Total Height 166±1.5 (6.54±0.06) 		<ul style="list-style-type: none"> ● Terminal B1 12.0(0.47) 2.0(0.08) 4.5(0.18) 11.0(0.43) 5.5(0.22) [M5 BOLT & NUT] ● Terminal T2 3.4(0.13) 6.35(0.25) 7.95(0.31) 0.8(0.03) ● Terminal I1 M5x0.8 2.0(0.08) [M5 BOLT & NUT] <p>Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)</p>

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	859	609	438	275	157	63.6	40.2	22.4	11.7	
1.75V	995	660	463	285	161	65.2	40.9	22.9	12.0	
1.70V	1057	686	476	292	165	65.7	41.2	23.0	12.1	
1.65V	1105	701	489	296	167	66.4	41.4	23.0	12.1	
1.60V	1141	714	498	300	168	66.6	41.5	23.0	12.1	

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	79.55	53.6	40.1	24.34	13.18	5.30	3.35	1.87	0.98	
1.75V	93.83	58.0	42.0	25.26	13.56	5.44	3.41	1.91	1.00	
1.70V	99.70	60.4	43.3	25.83	13.87	5.48	3.44	1.92	1.01	
1.65V	104.20	61.7	44.3	26.23	14.02	5.53	3.45	1.92	1.01	
1.60V	107.63	62.9	45.0	26.55	14.13	5.55	3.46	1.92	1.01	

All data and artworks shall be changed without prior notice, BB reserves the right to explain and update the information contained herein.

For operation, please refer to the instruction from technical manual.

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