



VRLA Rechargeable Battery

BPS28-12



FEATURES

- Maintenance free(no water topping-up required).
- No free acid(Non-spillable battery).
- Low self-discharge rate, lower than 3% capacity loss per month.
- Can be used in any orientation(excluding used inverted).
- Absorbent Glass Mat technology for efficient gas recombination.

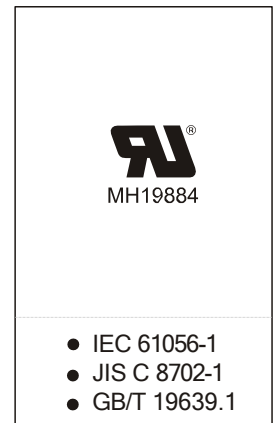
APPLICATION

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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	28Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	9600g
Terminals	B1 (Fitting M5 bolt & nut) , T2 and I1 are optional
Internal Resistance	≤10m Ω (Fully Charged)
Max. Discharge Current	420 A (5 sec.)
Max. Charge Current	8.4 A
Operating Temperature Range	Charge : 0°C~40°C Discharge : -20°C~50°C Storage. : -20°C~40°C
Container Material	Standard: ABS(UL 94-HB) BPS28-12 Optional: Flame Retardant ABS (UL 94-V0) BPS28-12FR



DIMENSION(mm)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> ■ Length 175±1.5 ■ Width 166±1.5 ■ Container Height 123±1.5 ■ Total Height 125±1.5 		<p>● Terminal B1 ● Terminal T2 ● Terminal I1</p> <p>Terminal Hardware Initial Torque: B1(2.5Nm±5%),I1(4.0Nm±5%)</p>

Constant power discharge characteristics at 25 °C Unit: W

F.V. (V _{accu}) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.80V	1012	745	597	355	203.8	81.6	56.3	31.45	16.55
10.50V	1172	807	625	369	209.9	83.2	57.1	31.92	16.80
10.20V	1245	836	644	377	213.7	84.0	57.4	32.08	16.88
9.90V	1301	856	659	383	216.2	84.6	57.6	32.18	16.93
9.60V	1344	874	672	386	218.4	85.1	57.8	32.18	16.93

Constant current discharge characteristics at 25 °C Unit: A

F.V. (V _{accu}) \ Discharge Time	5 Min	10 Min	15 Min	30 Min	1 Hr	3 Hr	5 Hr	10 Hr	20 Hr
10.80V	91.2	65.6	51.9	30.1	17.12	6.80	4.69	2.621	1.379
10.50V	107.5	71.1	54.3	31.3	17.64	6.94	4.76	2.660	1.400
10.20V	114.2	73.6	56.0	32.0	17.96	7.00	4.79	2.673	1.407
9.90V	119.3	75.4	57.3	32.4	18.17	7.05	4.80	2.681	1.411
9.60V	123.3	76.9	58.4	32.7	18.35	7.09	4.82	2.681	1.411

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