



## VRLA Rechargeable Battery

# BP28-12 (BP28-12FR)



### 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).

### APPLICATION

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



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	28Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	9600g(21.17lbs.)
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(32°F~104°F) Discharge : -20°C~50°C(-4°F~122°F) Storage : -20°C~40°C(-4°F~104°F)
Container Material	ABS(UL94-HB, UL94-V0 is optional)

ISO 9001	
ISO14001	
UL	
CE	
<ul style="list-style-type: none"> <li>● IEC61056</li> <li>● JIS C 8702</li> <li>● GB/T 19639</li> </ul>	

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<ul style="list-style-type: none"> <li>■ Length 175±1.5 (6.89±0.06)</li> <li>■ Width 166±1.5 (6.54±0.06)</li> <li>■ Container Height 123±1.5 (4.84±0.06)</li> <li>■ Total Height 125±1.5 (4.92±0.06)</li> </ul>		<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		1012	745	597	355	203.8	81.6	56.3	31.45	16.55
1.75V		1172	807	625	369	209.9	83.2	57.1	31.92	16.80
1.70V		1245	836	644	377	213.7	84.0	57.4	32.08	16.88
1.65V		1301	856	659	383	216.2	84.6	57.6	32.18	16.93
1.60V		1344	874	672	386	218.4	85.1	57.8	32.18	16.93

### 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		91.2	65.6	51.9	30.1	17.12	6.80	4.69	2.621	1.379
1.75V		107.5	71.1	54.3	31.3	17.64	6.94	4.76	2.660	1.400
1.70V		114.2	73.6	56.0	32.0	17.96	7.00	4.79	2.673	1.407
1.65V		119.3	75.4	57.3	32.4	18.17	7.05	4.80	2.681	1.411
1.60V		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 herein.