

## Excellent Integrated System Limited

Stocking Distributor

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[BP3-12-T1](#)

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[sales@integrated-circuit.com](mailto:sales@integrated-circuit.com)



## VRLA Rechargeable Battery

# BP3-12

### 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
- Electronic Toy-Cars
- Fans
- Emergency Lights
- Rechargeable Flashlights



### SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	3.0Ah @ 20 hour rate F.V.(1.75V/cell)
Approx. Weight	1300g(2.87lbs.)
Terminals	T1 (Faston Tab 187) T2 is optional
Internal Resistance	≤50m Ω (Fully Charged )
Max. Discharge Current	45 A (5 sec.)
Max. Charge Current	0.9 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) BP3-12 Optional: Flame Retardant ABS(UL 94-V0) BP3-12FR

**WSE** ISO9001 **RA** MH19884

**WSE** ISO14001 **CE** CAM20310-2474-E-16

**WSE** OHSMS

- IEC 61056-1
- JIS C 8702-1
- GB/T 19639.1

DIMENSION(mm/inch)	OUTER DIMENSIONS	TERMINAL TYPE
<p>■ <b>Length</b> 134±1.5 (5.28±0.06)</p> <p>■ <b>Width</b> 67±1.5 (2.64±0.06)</p> <p>■ <b>Container Height</b> 60±1.5 (2.36±0.06)</p> <p>■ <b>Total Height</b> 66±2.0 (2.60±0.08)</p>		<p>● Terminal T1</p> <p>● Terminal T2</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		108.5	79.8	64.0	38.07	21.83	8.74	6.029	3.369	1.773
1.75V		125.5	86.5	66.9	39.52	22.49	8.92	6.120	3.420	1.800
1.70V		133.4	89.6	69.0	40.42	22.89	9.00	6.153	3.437	1.812
1.65V		139.4	91.8	70.6	40.99	23.17	9.06	6.175	3.447	1.812
1.60V		144.0	93.6	72.0	41.40	23.40	9.12	6.193	3.447	1.812

### 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		9.77	7.03	5.56	3.23	1.835	0.729	0.502	0.281	0.148
1.75V		11.52	7.61	5.82	3.35	1.890	0.743	0.510	0.285	0.150
1.70V		12.24	7.89	6.00	3.43	1.924	0.750	0.513	0.286	0.151
1.65V		12.79	8.08	6.14	3.47	1.947	0.755	0.515	0.287	0.151
1.60V		13.21	8.24	6.26	3.51	1.966	0.760	0.516	0.287	0.151

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