



VRLA Rechargeable Battery

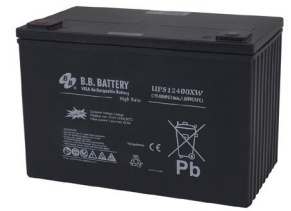
UPS 12400XW

FEATURES

- Maintenance free
- Non-spillable battery with Absorbing Glass Matt technology (AGM)
- No water topping-up required
- Low self-discharge, less than 3% per month
- Can be used both in vertical and horizontal orientation (excluding used inverted)
- Service Life — 12 Years. According to Eurobat (20 °C) — Long Life

APPLICATIONS

- UPS
- Telecommunications
- Power plants
- Maritime transport
- Cable TV



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	100 Ah
Approx. weight	30.2 kg (66.58 lbs.)
Terminal type	I2, B3 (optional)
Internal Resistance	≤ 3,5mΩ (fully charged)
Max. Charge Current	29.5 A
Short-circuit Current	2450 A
Operating Temperature Range	Charge: 0°C~50°C (32°F~122°F) Discharge: -20°C~60°C (-4°F~140°F) Storage: -20°C~50°C (-4°F~122°F)
Container Material	ABS (UL94-HB)
Life of Service	12 years

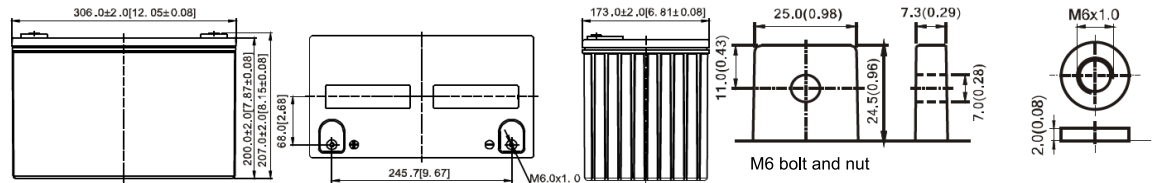
ISO 9001	
ISO 14001	
UL	
CE	
<ul style="list-style-type: none"> ● IEC60896 ● JIS C 8704 ● GB/T 19638 	

Dimensions (mm / in.)

Outer dimensions

Terminal types

- **Length:**
306±2.0 (12.05±0.08)
- **Width:**
173±2.0 (6.81±0.08)
- **Container height:**
200±2.0 (7.87±0.08)
- **Overall height:**
B3: 230±2.0 (9.06±0.08)
I2: 207±2.0 (8.15±0.08)



Torque: B3, I2 (5,5 Nm ± 5%)

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

Final Voltage, V/cell	Discharge time									
	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	40 min.	50 min.	60 min.	90 min.
1.80V	3463	2545	2114	1768	1532	1345	1083	909	788	560
1.75V	3882	2732	2236	1836	1578	1380	1105	928	800	569
1.70V	4140	2844	2313	1884	1609	1402	1121	939	809	575
1.65V	4308	2932	2365	1920	1634	1418	1134	949	817	580
1.60V	4436	2989	2400	1945	1654	1431	1145	957	823	583

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

Final Voltage, V/cell	Discharge time									
	5 min.	10 min.	15 min.	20 min.	25 min.	30 min.	40 min.	50 min.	60 min.	90 min.
1.80V	322	223	183	151	129	112	90	76	66.2	47.0
1.75V	353	241	193	158	134	117	92	78	67.2	47.8
1.70V	377	251	200	162	138	119	94	79	68.0	48.3
1.65V	391	259	206	166	140	121	96	80	68.7	48.8
1.60V	403	263	209	168	142	122	97	80	69.1	49.1

The manufacturer reserves the right to make changes due to ongoing optimization activities.