



VRLA Rechargeable Battery

UPS 12220W

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

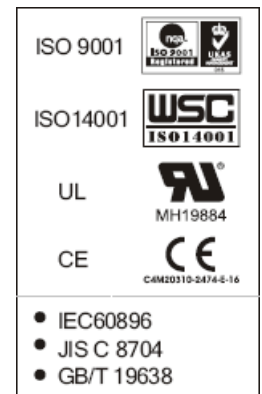
APPLICATIONS

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



SPECIFICATIONS

Nominal Voltage	12 V
Nominal Capacity	53 Ah
Approx. weight	17.8 kg (39.24 lbs.)
Terminal type	B5, I2 (optional)
Internal Resistance	≤ 5mΩ (fully charged)
Max. Discharge Current	550 A (5 sec)
Max. Charge Current	15.9 A
Short-circuit Current	1600 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

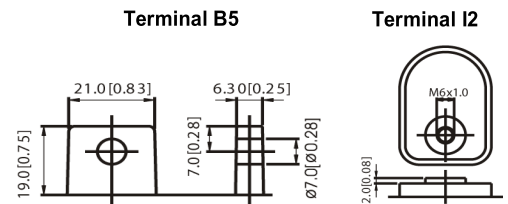
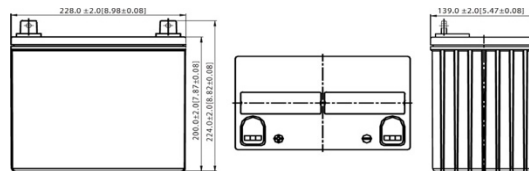


Dimensions

Outer dimensions

Terminal types

- **Length:**
228±2.0 (8.98±0.08)
- **Width:**
139±2.0 (5.47±0.08)
- **Container height:**
200±2.0 (7.87±0.08)
- **Overall height:**
224±2.0 (8.82±0.08)



Torque: B5, 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	1905	1400	1163	972	843	740	596	500	433	308
1.75V	2135	1501	1230	1009	868	759	608	510	440	313
1.70V	2277	1563	1270	1035	884	771	616	516	445	316
1.65V	2370	1612	1300	1055	898	780	623	521	449	319
1.60V	2440	1644	1320	1070	910	787	630	526	453	321

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	176	123	101	83	71	62	50	42	36.4	25.7
1.75V	193	132	106	87	74	64	51	43	37.0	26.2
1.70V	206	138	110	89	76	65	52	43	37.4	26.5
1.65V	215	142	113	91	77	66	52	44	37.7	26.8
1.60V	222	145	115	92	78	67	53	44	38.0	27.0

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