



VRLA Rechargeable Battery

UPS 12540W

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	135 Ah
Approx. weight	41.1 kg (90.61 lbs.)
Terminal type	I3
Internal Resistance	≤ 2.9mΩ (fully charged)
Max. Charge Current	39.0 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

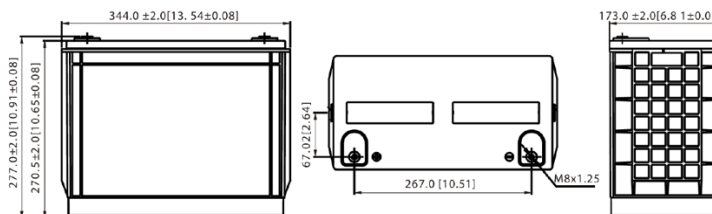
ISO 9001	
ISO 14001	
UL	
CE	
● IEC60896	
● JIS C 8704	
● GB/T 19638	

Dimensions

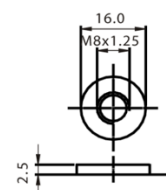
Outer dimensions

Terminal types

- **Length:**
344±2.0 (13.54±0.08)
- **Width:**
173±2.0 (6.81±0.08)
- **Container height:**
270.5±2.0 (10.65±0.08)
- **Overall height:**
277±2.0 (10.91±0.08)



Terminal I3



Torque: I3 (10.0 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	4134	3467	2855	2387	2069	1817	1463	1227	1063.5	756.0
1.75V	4525	3681	3020	2480	2130	1863	1493	1253	1080.0	768.0
1.70V	4888	3832	3123	2544	2172	1893	1514	1268	1092.0	777.0
1.65V	5220	3950	3194	2592	2207	1914	1532	1281	1102.5	783.0
1.60V	5357	4027	3240	2627	2234	1932	1547	1292	1111.5	787.5

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	374	305	248	204	174	152	122	102	89.4	63.5
1.75V	412	327	261	213	182	158	125	105	90.8	64.5
1.70V	449	349	270	219	186	161	128	107	91.8	65.3
1.65V	492	369	278	224	189	164	129	108	92.7	65.9
1.60V	521	388	282	227	192	165	131	110	93.3	66.3

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