VRLA Rechargeable Battery

UPS12360W

Standard Type

FEATURES

- Maintenance free(no water topping-up required)
- No free acid(Non-spillable battery)
- Can be used in any orientation(excluding used inverted)
- The battery is designed with very lower resistance and exceeding high power perforamnce
- Its design life is 10 years in floating application at 68°F/20°C
- Flame-arrestor is installed to ensure safety

APPLICATION

- UPS
- Cable TV
- Telecom
- Power station
- Golf-Carts
- Marine

SPECIFICATIONS

Nominal Voltage	12V	
Nominal Capacity	10 Hour Rate (8.8A, 10.5V) 5 Hour Rate (15.3A, 10.5V) 1 Hour Rate (62.2A, 9.6V) 15 Min Rate (360W, 9.6V)	88.0 Ah 76.5 Ah 62.2 Ah 45.0 Ah
Approx. Weight	29.8Kg(65.7lbs.)	
Terminals	B3 (Fitting M6 bolt & nut) I2 is optional	
Max. Discharge Current	800 A (5 sec.)	
Max. Charge Current	26.4 A	
Cold Cranking Amp @ -18°C	780 A	
Short Circuit Current	2450 A	
Operating Temperature Range	Charge Discharge Storage	0°C~50°C(32°F~122°F) -20°C~60°C(-4°F~140°F) -20°C~50°C(-4°F~122°F)
Self Discharge	< 3% per month (25°C)	
Internal Resistance	≦4mΩ (Fully Charged)	

CONTAINER MATERIAL

- UPS12360W:
  PP: UL 94-HB

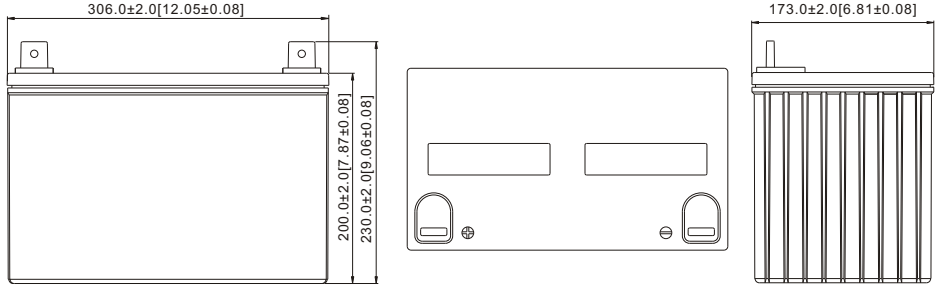
ISO 9001 ISO14001 CE

C4M20310-2474-E-16

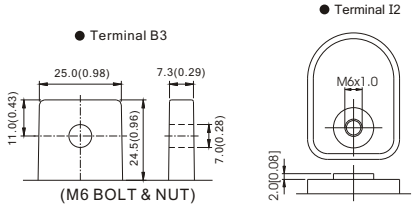
- IEC61056
- JIS C 8702
- GB/T 19639

OUTER DIMENSIONS mm(inch)

Length (L)	Width (W)	Container Height (H)	Total Height (TH)
306±2.0(12.05±0.08)	173±2.0(6.81±0.08)	200±2.0(7.87±0.08)	230±2.0(9.06±0.08)

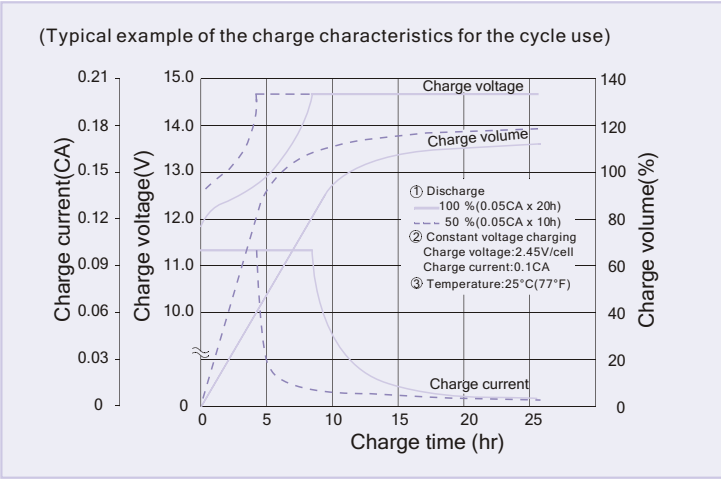


TERMINAL TYPE

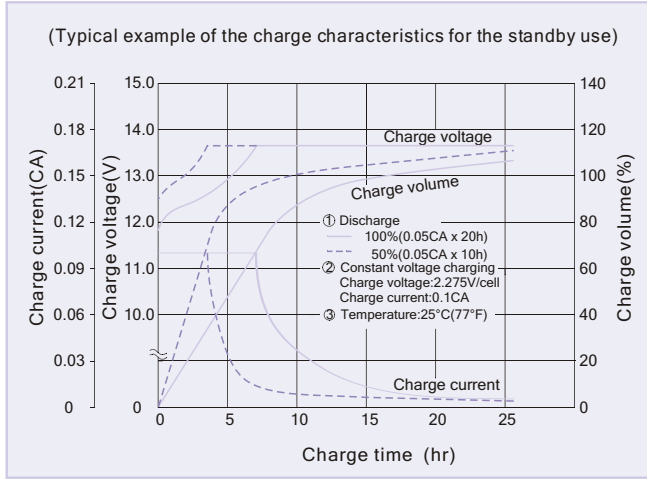


Terminal Hardware Initial Torque:
B3,I2(5.5Nm±5%)

UPS12360W Charging Characteristics



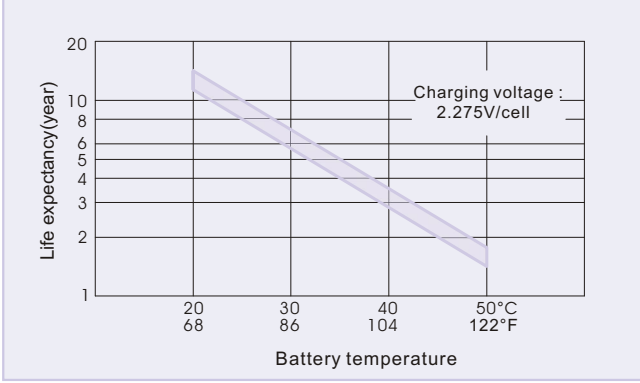
Battery Charging Characteristics



Charging Procedure

Application	Charging method	Charging Voltage at 25°C (V/cell)	Temperature compensation coefficient of charging voltage (mV/℃ /cell)	Max. charging current (CA)	Charging time 0.1CA, 25° C (h)		Temp (°C)
					100% discharge	50% discharge	
For standby power Source	Constant voltage & Constant current charging (with current restriction)	2.25~2.30	-3	0.3	24	20	0~50 (32~122°F)
For cycle service		2.40~2.50	-4	0.3	16	10	

Effect Of Temperature On Long Term Float Life



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

F.V. (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	3117	2291	1903	1591	1379	1211	975	818	709	504
1.75V	3494	2459	2013	1653	1420	1242	995	835	720	512
1.70V	3726	2560	2082	1696	1448	1262	1009	845	728	518
1.65V	3878	2639	2129	1728	1471	1276	1021	854	735	522
1.60V	3993	2690	2160	1751	1489	1288	1031	861	741	525

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

F.V. (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	290	201	165	136	116	101	81	68	59.6	42.3
1.75V	318	217	174	142	121	105	83	70	60.5	43.0
1.70V	339	226	180	146	124	107	85	71	61.2	43.5
1.65V	352	233	185	149	126	109	86	72	61.8	43.9
1.60V	363	237	188	151	128	110	87	72	62.2	44.2

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

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