



# OREMA POWER CO.,LTD. UN150-12HE(12V150Ah)

## UN Series General Battery

OREMA UN Series VRLA batteries are designed with AGM technology, high performance plates and technology to give extra power output for common power backup system. UN series batteries are the general purpose with 10-12 years floating design life at 25°C

### Applications

- Uninterruptible Power Supply (UPS)
- Emergency backup power supply
- Auto control system
- Communication power supply
- Alarm and security system
- Electric Power System (EPS)

### General Features

- 10-12 years design life(25°C)
- Non-spillable construction
- Sealed and maintenance-free
- High reliability and stability
- High purity raw material: long life and low self-discharge

### Standards

- Compliance with IEC, BS, JIS and EU standards.
- UL, CE Certified
- ISO45001, ISO9001 and ISO14001 certified production facilities

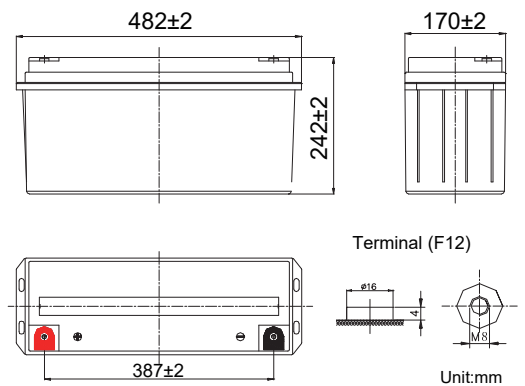
### Specifications

Rated Voltage	12V	
Nominal Capacity	150Ah	(C <sub>10</sub> , 10.8V)
Approx Weight	42.5kg±3%(95.46lbs)	
Terminal	F12	
Rated Capacity(25°C)	154 Ah	(20hr, 7.7A, 10.5V)
	150 Ah	(10hr, 15A, 10.8V)
	128 Ah	(5hr, 25.6A, 10.5V)
	97 Ah	(1hr, 97A, 9.6V)
Max. Discharge Current	1500A(5s)	
Max. Charge Current	37.5A	
Internal Resistance(25°C)	Approx 5mΩ	
Operating Temp. Range	Discharge	-20~60°C(-4~140°F)
	Charge	-10~50°C(14~122°F)
	Storage	-20~60°C(-4~140°F)
Nominal operating temperature	25±5°C	
Charge Voltage @25°C(77°F)	Cycle Use	Initial Charging Current less than 37.5A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C
	Standby Use	Initial Charging Current less than 37.5A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C
Temperature effects on capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
	-15°C (5°F)	65%
Self Discharge(25°C)	Capacity after 3 months storage	91%
	Capacity after 6 months storage	82%
	Capacity after 12 months storage	65%



### Dimensions

unit:mm



Length	482±2mm (19.0 inches)
Width	170±2mm (6.69 inches)
Container Height	242±2mm (9.53 inches)
Total Height	242±2mm (9.53 inches)

### Battery Construction

Component	Positive plate	Negative plate	Container	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS(UL94-HB) or FR(UL94-V0)	Rubber	Copper	Fiberglass	Sulfuric acid

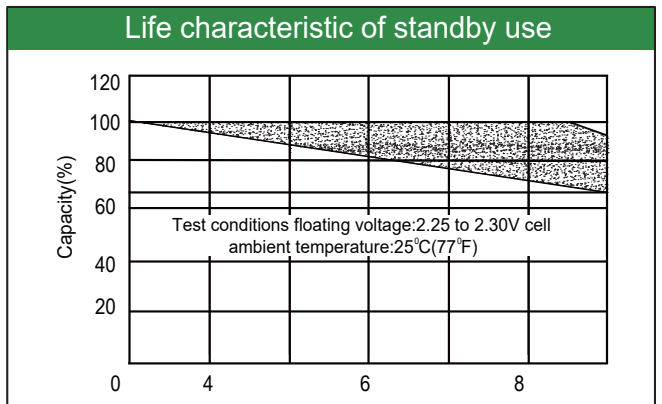
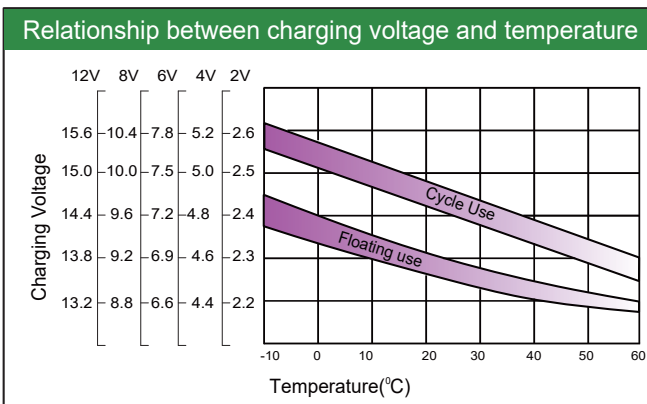
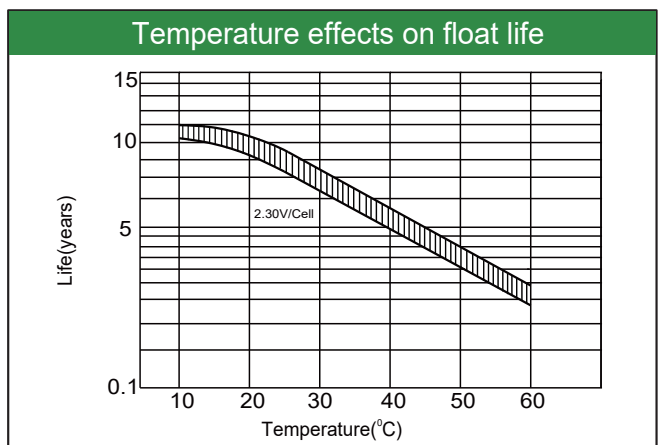
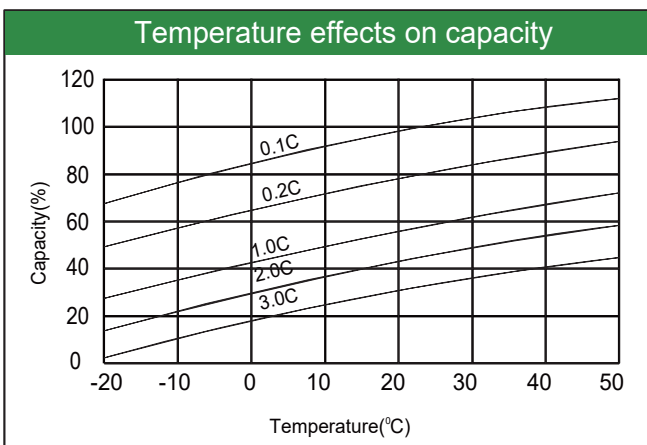
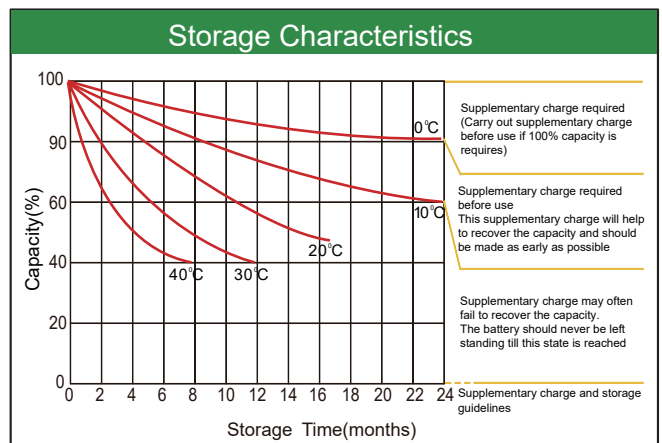
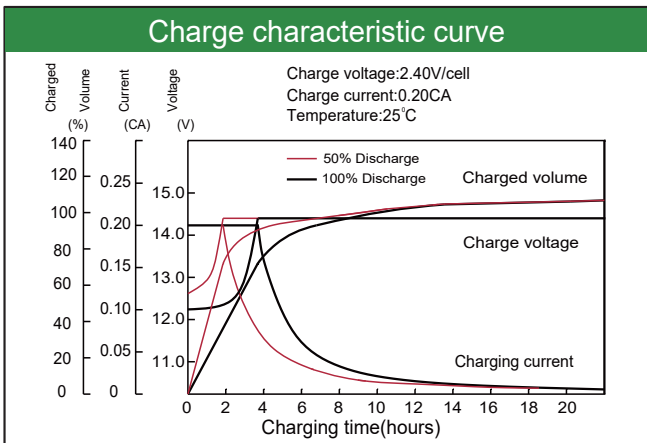
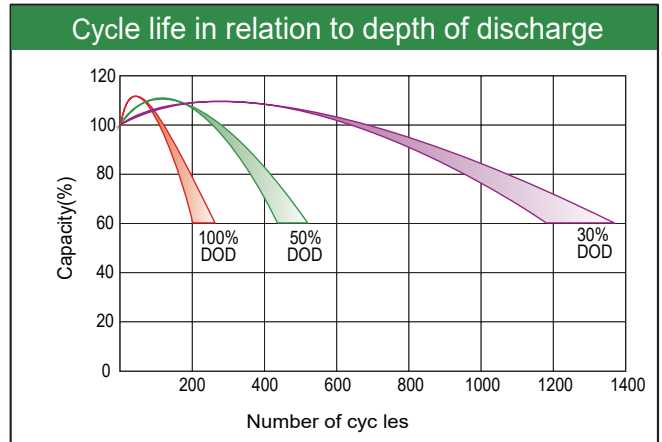
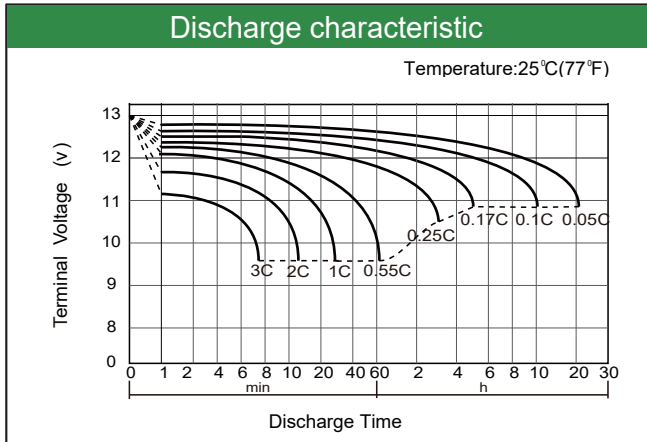
### Constant Current Discharge (Amperes) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	/	330	275	166.0	97.0	41.5	27.6	15.36	7.85
1.65V	/	315	264	159.5	93.3	40.2	27.0	15.30	7.80
1.70V	/	299	252	152.5	89.8	38.8	26.3	15.20	7.75
1.75V	/	282	239	145.0	85.6	37.3	25.6	15.10	7.70
1.80V	/	263	225	137.0	81.6	35.7	24.8	15.00	7.60

### Constant Power Discharge (Watts/cell) at 25°C(77°F)

E.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	/	550	465	306	230.0	188.0	111	82.5	51.0
1.65V	/	530	448	298	224.6	183.7	108	80.4	51.9
1.70V	/	507	429	289	219.0	179.2	105	78.2	50.7
1.75V	/	482	408	279	213.0	174.6	101	75.9	49.5
1.80V	/	454	388	267	206.0	169.8	97.9	73.4	49.0

Note: The above characteristics data are average values obtained Within three charge/discharge cycles not the minimum.



Factory address: Datang industrial park, xinfeng county, Ganzhou city Jiangxi Province, China  
 Sales office: RM301 No.2 Building Zhida industrial park Longping west road, Longgang district, Shenzhen China  
 TEL: +86-755-84898340 [sales@oremabattery.com](mailto:sales@oremabattery.com) [www.oremabattery.com](http://www.oremabattery.com)