



# UN200-12G (12V200Ah/20hr)



UN-G Series is GEL battery which is manufactured with PVC/SiO<sub>2</sub> separator and fumed Silica. Gel battery is featured with low self-discharge, strong ability to recover from deep discharging, it has long service life and 50% more deep cycle life and excellent performance at cold ambient temperatures than conventional VRLA.

## Battery Construction

Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	PVC/SiO <sub>2</sub>	Gelled acid

## General Feature

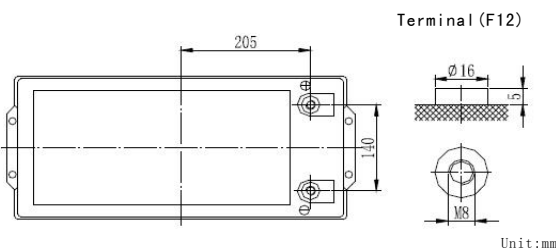
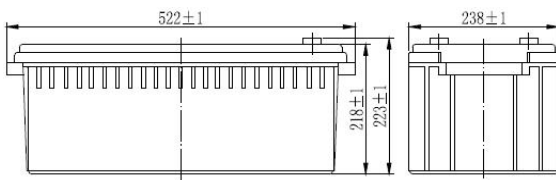
- Micro millimeter SiO<sub>2</sub> and H<sub>2</sub>SO<sub>4</sub> technology
- for efficient gas recombination of up to 99%,
- free from electrolyte maintenance or water add.
- 12 years design life for standby use.
- Not restricted for air transport-complies with IATA/ICAO Special Provision A67.
- UL-recognized component.
- Can be mounted in any orientation.
- Computer designed lead, calcium tin alloy grid for high power density.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge.

## Performance Characteristics

Capacity 77°F(25°C)	20 hour rate(10A、10.8V)	200Ah
	10hour rate (18A、10.8V)	180Ah
	5hour rate (31A、10.5V)	155Ah
	1 hour rate (108A、9.6V)	108Ah
Internal Resistance	Full charged Battery77°F(25°C):4.5mΩ	
Operating Temperature Range	Discharge: -20~60°C	
	Charge: -10~60°C	
	Storage: -20~60°C	
Self-Discharge: 3% per month at 20°C (average)		
Max. discharge current77°F(25°C): 1200A(5S)		
Charge (Constant Voltage)	Float: 13.5~13.8 V/77° F/(25°C) Coefficient -20mV/°C	
	Cycle:14.4~15.0V/77°F/(25°C) Coefficient -30mV/°C Max. Current: 40A	

## SPECIFICATION

Nominal voltage	12V
Number of cell	6
Length(mm/inch)	522/20.55
Width(mm/inch)	238/9.37
Height(mm/inch)	218/8.58
Total Height(mm/inch)	223/8.78
Approx. Weight(kg/lbs)	60./132.2



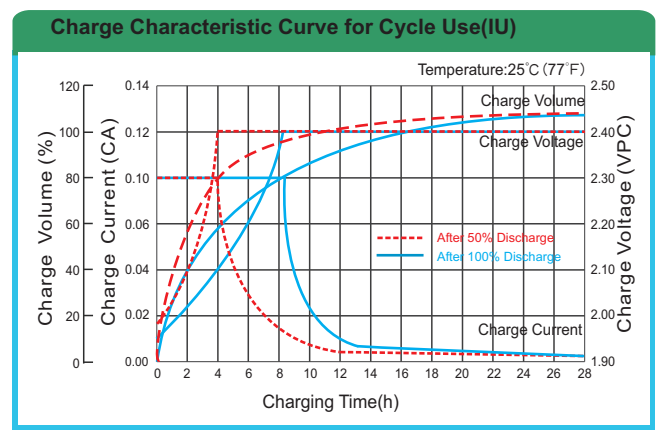
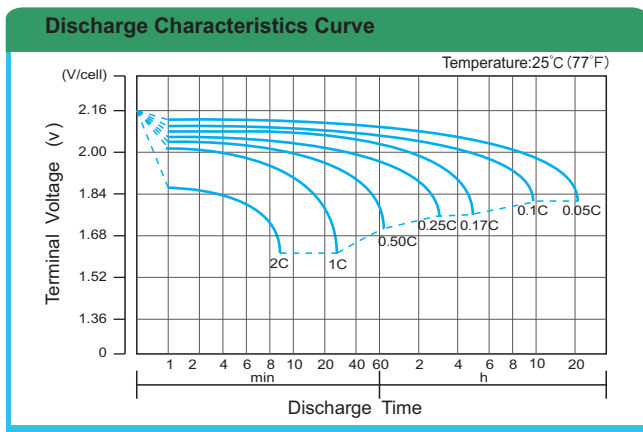
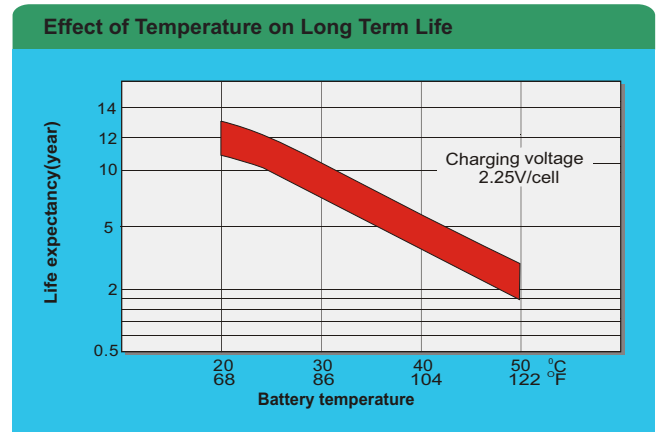
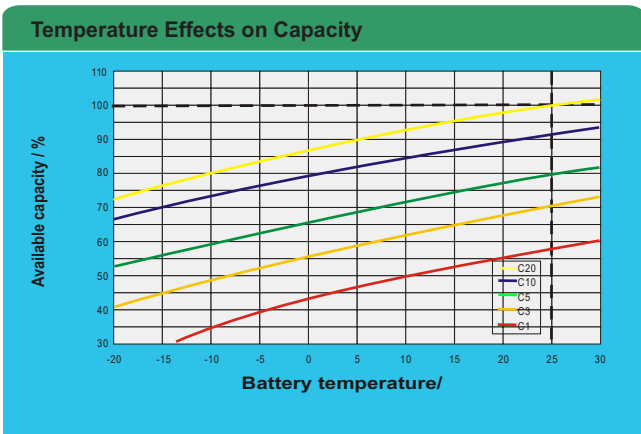
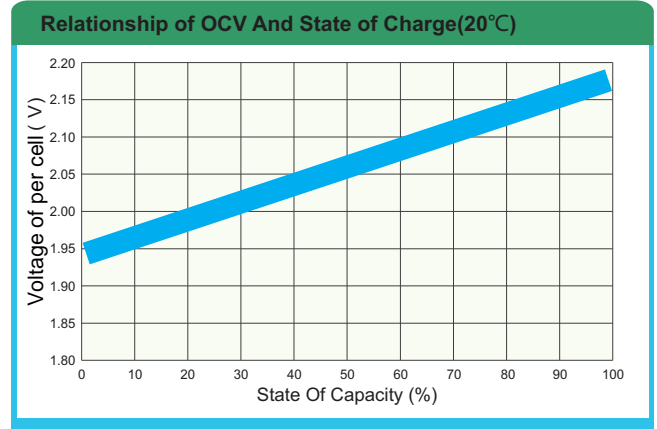
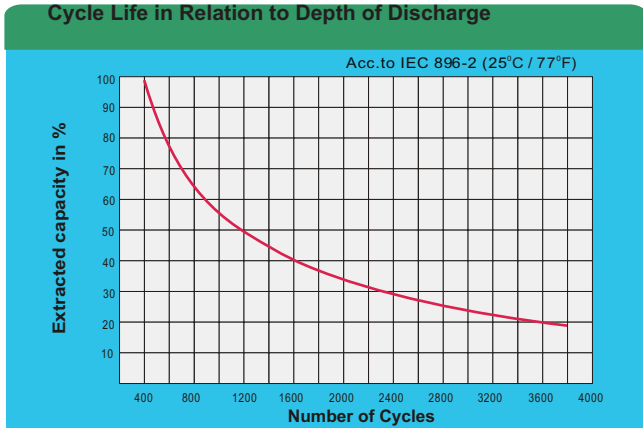
### Constant Current Discharge Data(Amperes at 25°C)

End Point Volts/cell	30min	1h	3h	5h	10h	20h
1.60V	180	108	48.2	33.5	19.44	10.58
1.65V	177	101	46.3	32.3	19.05	10.44
1.70V	171	98.1	45.0	31.8	18.83	10.33
1.75V	160	92.7	43.1	31.0	18.36	10.21
1.80V	145	86.6	40.9	29.6	18.00	10.00

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

End Point Volts/cell	30min	1h	3h	5h	10h	20h
1.60V	350	205	103.1	65.1	39.56	21.04
1.65V	328	194	99.6	63.1	38.72	20.73
1.70V	320	188	96.9	62.2	38.31	20.56
1.75V	301	178	93.4	60.4	37.47	20.31
1.80V	278	169	88.9	58.8	36.89	20.10

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



**OREMA POWER CO., LTD**

Add: Datang Industry Park Xinfeng Ganzhou City, Jiangxi Province, China

TEL: +86-0797-2299669 +86-0797- 2299553

FAX: +86-0797-2299553

