

#### OPzS Series

C&R Opzs Series Lead Acid batteries are designed with a combination of die-casting Tubular positive framework and superfluous electrolyte technologies to offer a very high level of reliability and a long service life. Opzs batteries used special filter and proof design to ensure no acid fog runs over and burning proof, and also convenient examine and maintenance.

#### General Features

- Maintenance convenient.
- Non-Spillable construction design.
- Transparent containers, convenient to observe.
- Special filter installation for acid fog proof.
- Higher quality and high reliability.
- Super long service life.
- Special pole sealed technology.

#### Application

- Electric Utility
- Security System
- Railroad Utility
- Cable Television
- Alternative Energy System
- Control Equipment
- Telecommunications
- Medical Equipments
- UPS
- Photovoltaic System



#### Construction

Component	Positive	Negative	Container	Cover	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	AS	AS	Copper	Ruber-PVC	Sulfuric acid

#### Performance Characteristics

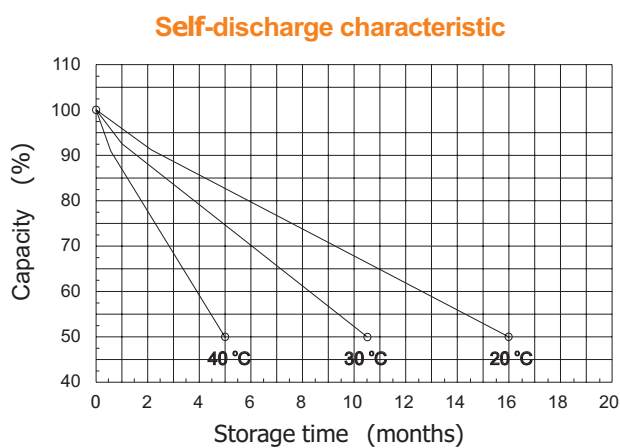
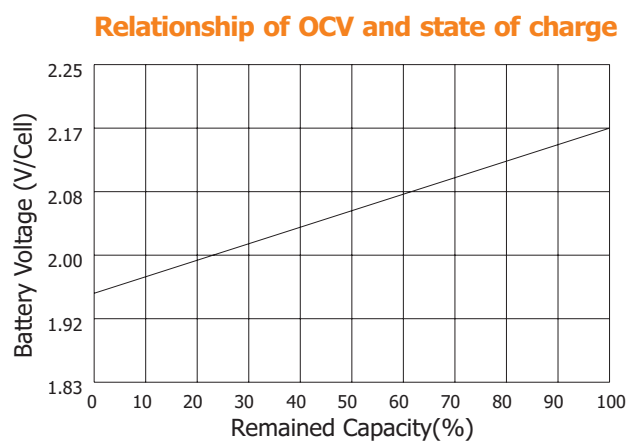
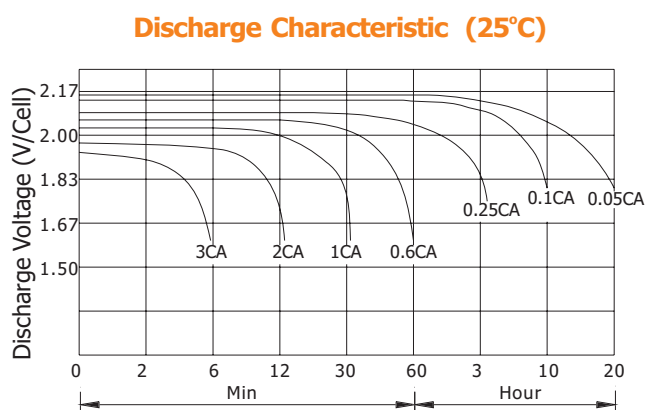
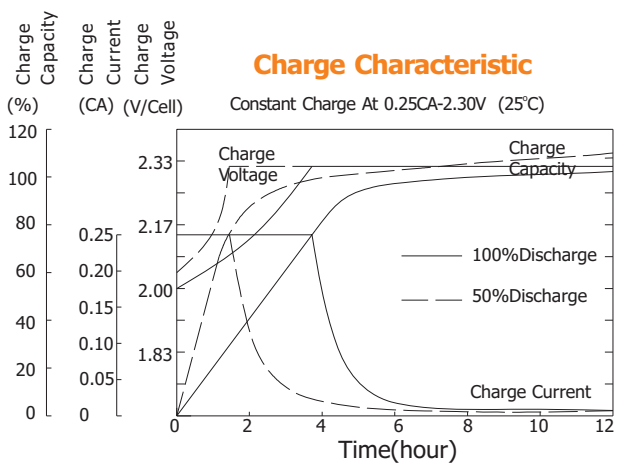
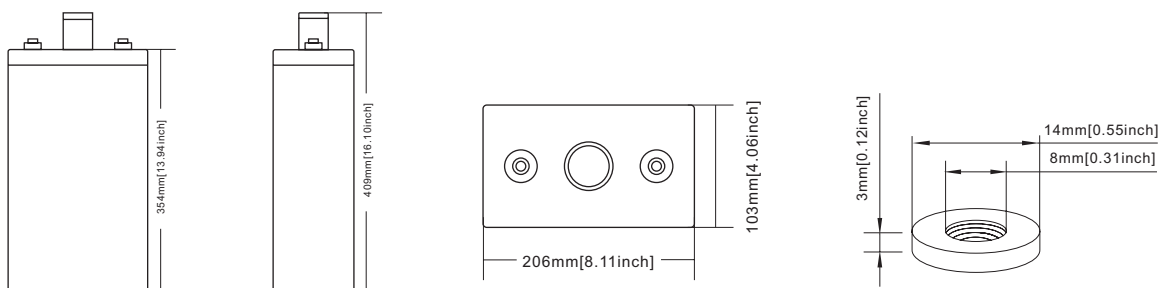
Battery Model	Opzs 2-200			
Designed Life	15 Years			
Capacity(25°C)	24HR(10.2A,1.85V)	10HR(20A,1.80V)	5HR(34.4A,1.77V)	1HR(106A,1.67V)
	244.8AH	200AH	172AH	106AH
Dimensions	Length	Width	Height	Total Height
	103mm(4.06inch)	206mm(8.11inch)	354mm(13.94inch)	409mm(16.1inch)
Approx. Weight	Without electrolyte:13.2Kg (29.1 lbs)		With electrolyte:17.2Kg (37.9 lbs)	
Internal Resistance	Full charged at 25°C: 0.00085 Ohm			
Self Discharge	3% of capacity declined per month at (25°C)			
Capacity Affected by Temp.(20HR)	40°C	25°C	0°C	-15°C
	102%	100%	85%	65%
Charge Voltage(25°C)	Cycle use		Float use	
	2.3V-2.35V(-5mV/ °C), max. Current: 40A		2.25-2.27V(-3.3mV/ °C)	

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

TIME	1HR	3HR	5HR	10HR	24HR	48HR	72HR	96HR	120HR	240HR
CU-TOFF VOLTAGE	1.67	1.75	1.77	1.80	1.85	1.85	1.85	1.85	1.85	1.85
CAPACITY(AH)	106	150	172	200	244.8	308	280	282	284	292

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

TIME	1HR	3HR	5HR	10HR	24HR	48HR	72HR	96HR	120HR	240HR
CU-TOFF VOLTAGE	1.67	1.75	1.77	1.80	1.85	1.85	1.85	1.85	1.85	1.85
CAPACITY(WH)	185	287	336	378	464	456	492	496	500	513



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