

⚡ Specifications

Nominal Voltage(V)

2V

Nominal Capacity at 20°C(68°F)

10 hour rate	(53A to 1.80V)	530Ah
5 hour rate	(88A to 1.77V)	440Ah
3 hour rate	(133.3A to 1.75V)	400Ah
1 hour rate	(285A to 1.67V)	285Ah

Weight

≥ 39kg(85.8Lbs.)

Internal Resistance (at 1KHz)

≤ 0.45 mΩ

Maximum Discharge Current for

5 seconds: 3180A

Maximum Short circuit current (IEC 60896)

≥ 4000A

Charging Methods at 20°C(68°F)

Cycle use:	
Charging Voltage	2.33 to 2.40V
Coefficient -5.0mV/°C/cell	
Maximum Charging Current :	159A
Standby use:	
Float Charging Voltage	2.23 to 2.30V
Coefficient -3.0mV/°C/cell	

Capacity affected by Temperature (10hr)

Charge	-10°C(14°F)	to	45°C(113°F)
Discharge	-10°C(14°F)	to	45°C(113°F)
Storage	-10°C(14°F)	to	45°C(113°F)

Charge Retention (shelf life) at 25°C(77°F)

1 month	98%
3 month	94%
6 month	85%

Case Material

ABS UL94 HB
Option: Flammability resistance of (UL94 V-0)

Design Life

20 Years at 20°C

Certifications

ISO 9001
ISO 14001
ISO 45001

Standards

DIN 40742 –specification OPzV cells
IEC 60896 Parte 21 – VRLA testing methods
IEC 60896 Parte 22 – VRLA requirements
Eurobat Guide "Very Long Life" > 12 years
CE,UL recognized



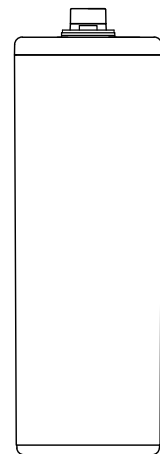
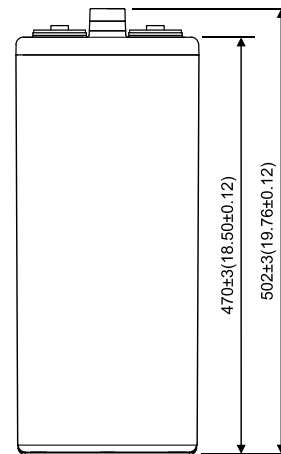
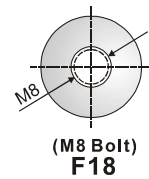
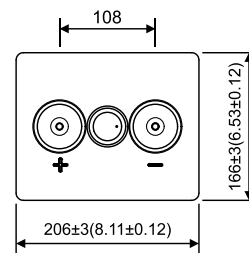
⚡ Dimensions

Length (L)	206±3 (8.11±0.12)
Width (W)	166±3 (6.53±0.12)
Height (H)	470±3 (18.50±0.12)
Overall Height (HT)	502±3 (19.78±0.12)
Terminal	F18

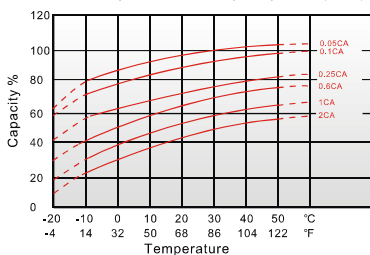
Description of torque value of hard ware for the terminals:

Recommended torque value	M8:12 N-m (122kgf-cm)
Maximum allowable torque value	M8:20 N-m (204kgf-cm)

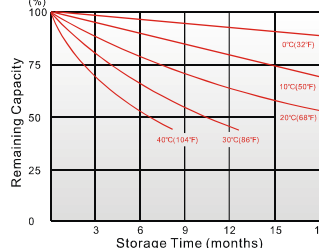
mm(inch)



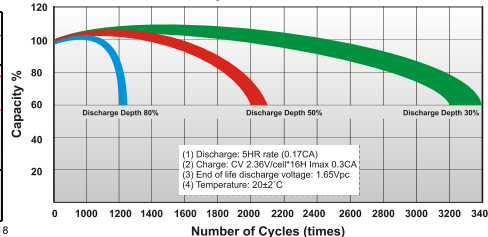
Effect of Temperature on Capacity 25°C(77°F)



Capacity Retention Characteristic



Cycle Service Life



Trickle (or float) Service Life

