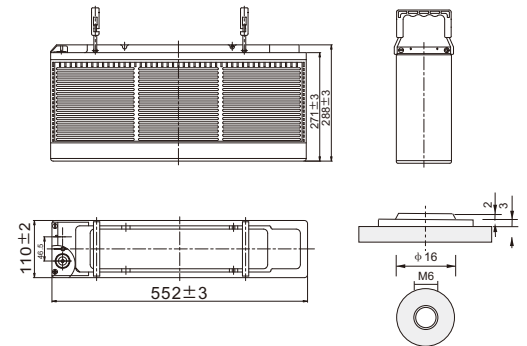


Specifications

Rated Voltage	12V	
Nominal Capacity	C_{10} , 1.80V/cell	150.0Ah
Dimension	Length	551±2mm (21.7 inches)
	Width	110±1.5mm (4.33 inches)
	Container Height	288±2mm (11.3 inches)
	Total Height	288±2mm (11.3 inches)
Approx Weight	46.6 Kg (102.8 lbs)	
Terminal	M6	
Container Material	ABS	
Rated Capacity (25°C)	158.8 Ah	(20hr, 7.94A, 1.80V/cell)
	150.0 Ah	(10hr, 15.0A, 1.80V/cell)
	142.4 Ah	(8hr, 17.8A, 1.80V/cell)
	130.5Ah	(5hr, 26.1A, 1.75V/cell)
	95.9 Ah	(1hr, 95.9A, 1.67V/cell)
Max. Discharge Current	1200A (5s)	
Internal Resistance (25°C)	Approx 4.1mΩ	
Operating Temp. Range	Discharge	-15 ~ 50°C (5 ~ 122°F)
	Charge	0 ~ 40°C (32 ~ 104°F)
	Storage	-15 ~ 40°C (5 ~ 104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 45.0A. Voltage 14.1V~14.4V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Initial Charging Current less than 45.0A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Standby Use	Initial Charging Current less than 45.0A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Batteries may be stored for up to 6 months at 25°C(77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	



Layout



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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	216.9	190.8	171.0	136.8	105.8	85.7	50.9	37.3	29.9	25.1	21.7	17.2	14.3	7.60
1.80V/cell	252.0	220.2	190.8	148.5	112.6	90.6	52.7	38.6	30.8	25.8	22.3	17.8	15.0	7.94
1.75V/cell	278.1	237.0	203.4	154.8	115.8	93.0	53.9	39.2	31.2	26.1	22.6	18.1	15.2	8.02
1.70V/cell	296.1	248.4	211.5	160.5	118.8	94.5	54.7	39.7	31.6	26.4	22.9	18.3	15.3	8.07
1.67V/cell	309.6	256.8	216.0	163.8	121.0	95.9	55.4	40.1	31.9	26.7	23.1	18.5	15.5	8.12
1.60V/cell	323.1	264.0	222.3	167.4	123.4	97.5	56.1	40.6	32.2	27.1	23.5	18.7	15.6	8.16

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	405.0	359.8	325.8	263.5	205.5	166.9	99.9	73.4	59.0	49.6	43.0	34.4	28.7	15.2
1.80V/cell	465.1	409.8	358.2	281.7	217.0	175.6	102.8	75.6	60.5	50.8	44.0	35.5	29.9	15.9
1.75V/cell	505.1	435.7	378.2	291.2	221.1	179.5	104.7	76.5	61.1	51.3	44.5	35.9	30.2	16.0
1.70V/cell	525.7	450.3	390.4	300.3	226.0	181.8	105.9	77.4	61.8	51.6	45.0	36.3	30.5	16.1
1.67V/cell	547.6	463.7	397.1	305.8	229.4	183.9	107.2	77.9	62.3	52.3	45.3	36.6	30.8	16.2
1.60V/cell	555.7	467.2	402.9	308.5	231.4	185.3	107.6	78.3	62.5	52.8	45.9	36.9	31.0	16.2

Applications

- UPS
- For standard power cabinet
- Network connection equipment of communication system
- Power system of special network of local area network
- Power station systems

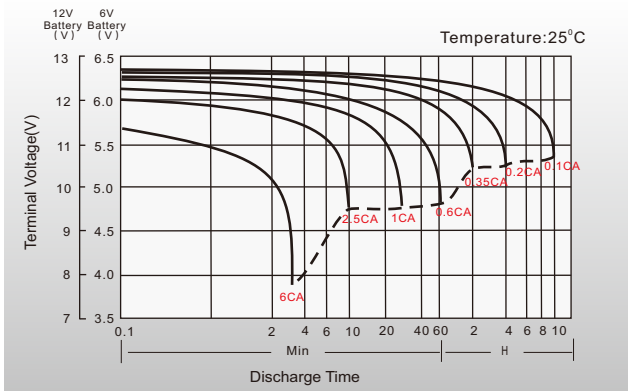
General Features

- 12 years design life(25°C)
- Specifically ideal for 19 inches or 23 inches power cabinets
- Front terminals make the installation, maintenance and supervision easy
- Shield designs protect terminals from short circuit and show good appearance
- Unique vent valve design: reduce water losing and prevent air/spark going inside

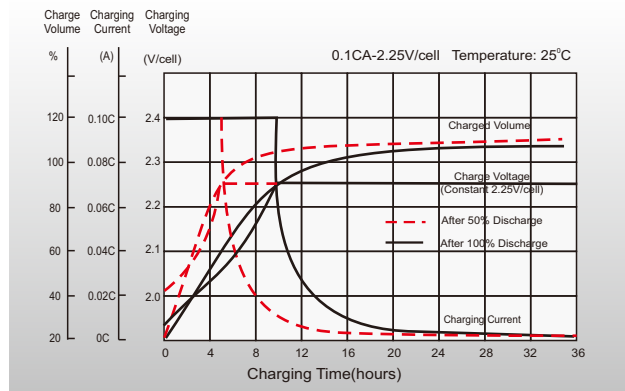
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch@TS16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

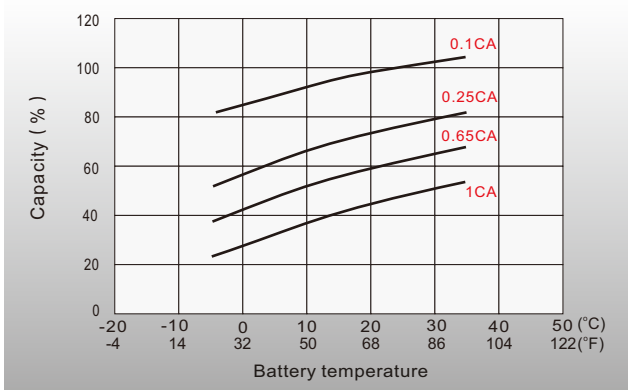
Discharge Characteristics



Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life

