

VALVE REGULATED LEAD-ACID BATTERY INSTRUCTION

1、Technical Data

- ① Design floating life is 12 years.
- ② During operation there is no liquid leaking, no acid mist coming out and no water need to be added into the battery.
- ③ Self-discharge: <4%(25℃, 28days).
- ④ Deep cycle life: ≥ 500 (80%DOD) .
- ⑤ Operation temperture: -15℃~+45℃.
- ⑥ Recombination efficiency: >96%.

2、Charging

Table1 Ambient temperature: 25℃

Condition	For Floating Charging	For Cycle Use
Charging Voltage (V)	2.27V-2.30V/cell	2.43V-2.47V/cell
Charging Current (A)	$\leq 0.3C$	

Note: 'C' means Ah value of battery's rated capacity.

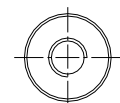
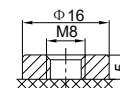
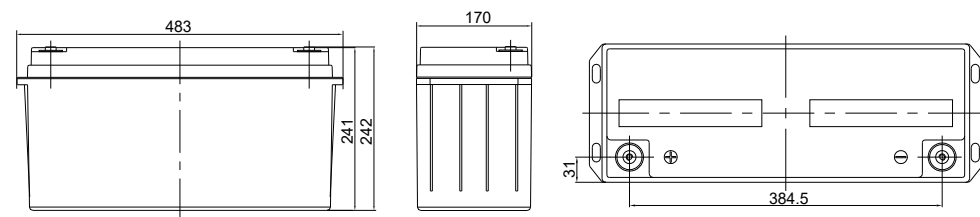
3、Attentions

- ① Do not short circuit.
- ② Don't use the battery in an airtight cabinet.
- ③ Avoid to use a cracked, deformed or leaky battery.
- ④ Don't burn the battery or put it near fire.
- ⑤ Don't disassemble, recast or destroy the battery.
- ⑥ The operation temperature range of battery is as follows. If out of the temperature the capability and life of battery may reduce, and battery may be mangling or distortion. Discharge: -15℃~50℃
Charging: 0℃~40℃ Storage: -15℃~40℃.
- ⑦ The used battery should be callback to recycle, avoiding environment pollution.

4、Battery Installation

- ① Before the installation, check to enure the battery appearance is normal, polarity is correct, battery was sealed well, no leakage and no physical damage on the cover.
- ② The batteries with different capacity and different performance can't to be connect together in usage. before connecting the battery terminal connectors and turn on the battery system, carefully check the total voltage and negative / positive polarity to ensure proper installation
- ③ During the installation and connection, beware of short-circuit which may be caused by connectors and wrench.

5、Dimensions



F12 Terminal

Length	483±2mm (19.0 inches)
Width	170±2mm (6.69 inches)
Height	241±2mm (9.49 inches)
Total Height	242±2mm (9.53 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm