TPD12-200 *12V 200Ah*

MAINTENANCE-FREE RECHARGEABLE BATTERY

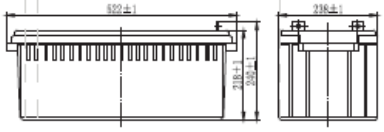
FOR HIGHT RATE USE

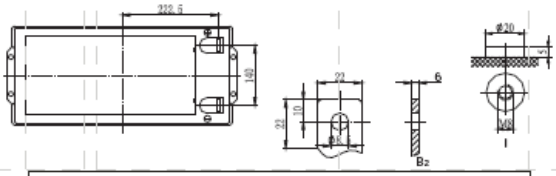
General Features

- Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding.
- 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.

Dimensions and Weight

Length(mm / inch)	522 / 20.55
Width(mm / inch)	238 / 9.37
Height(mm / inch)	218 / 8.58
Total Height(mm / inch)	240 / 9.45
Approx. Weight(Kg / lbs)	65 / 143.3
Standard Terminal	B_2
Optional Terminal	I



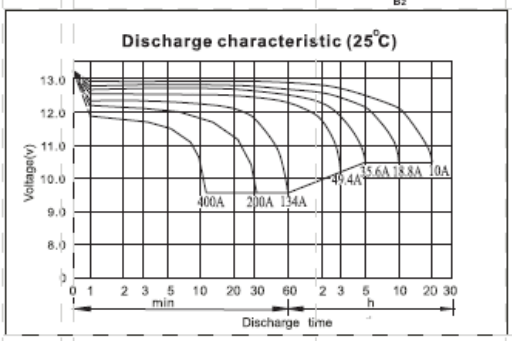
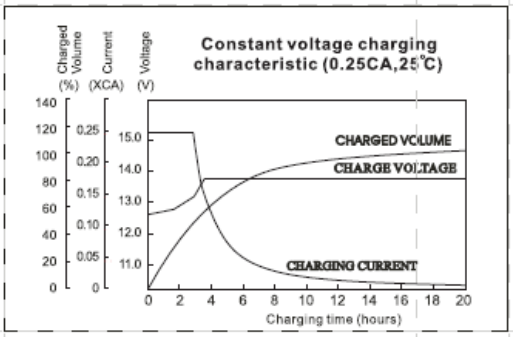


Specification

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
10 hour rate (20A,10.5V)	**200AH**
5 hour rate (33.2A,10.5V)	**166AH**
1 hour rate (130A,10.5V)	**130AH**
Internal Resistance	
Fully Charged battery 77°F(25°C)	3.5mOhms
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operating Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max. Discharge Current 77°F(25°C)	1000A(5s)
Short Circuit Current	3300A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	60A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C

Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h
1.60V	748	536	390	230	130	52.2	34.0	20.8
1.65V	728	510	382	226	129	52.0	33.8	20.6
1.70V	686	492	376	224	128	51.6	33.6	20.4
1.75V	616	454	358	218	127	51.4	33.2	20.2
1.80V	556	414	330	209	124	50.0	32.6	20.0

Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h
1.60V	1334	974	718	429	246	99.8	65.1	38.8
1.65V	1306	930	701	424	245	99.4	64.7	38.5
1.70V	1233	900	691	424	243	99.1	64.3	38.1
1.75V	1110	831	660	409	241	98.3	63.9	37.7
1.80V	998	755	607	391	234	96.1	63.2	37.4