



TPD12-150 12V 150Ah

MAINTENANCE-FREE RECHARGEABLE BATTERY FOR HIGH RATE USE

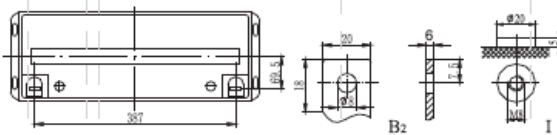
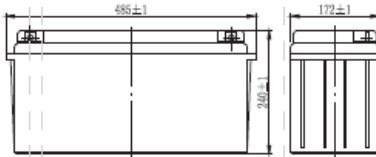


General Features

- 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)	485 / 19.09
Width(mm / inch)	172 / 6.77
Height(mm / inch)	240 / 9.45
Total Height(mm / inch)	240 / 9.45
Approx. Weight(Kg / lbs)	47 / 103.6
Standard Terminal	B2
Optional Terminal	I



Specification

Nominal Voltage	12V
Number of cell	6
Design Life	10 years
Nominal Capacity 77°F(25°C)	
10 hour rate (15A,10.5V)	150AH
5 hour rate (24.9A,10.5V)	124.5AH
1 hour rate(97.5A,9.6V)	97.5
Internal Resistance	
Fully Charged battery 77°F(25°C)	3.7mOhms
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	2700A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	45A
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	561	402	292	172	97.5	39.2	25.5	15.6
1.65V	546	382	286	169	97.1	39	25.3	15.4
1.70V	514	369	282	168	96.1	38.7	25.2	15.3
1.75V	462	340	268	163	95.3	38.6	24.9	15.15
1.80V	417	310	247	156	93.0	37.5	24.4	15.0

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

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h
1.60V	1002	732	540	322	185	75.0	48.8	29.2
1.65V	981	699	527	319	184	74.7	48.6	28.9
1.70V	926	676	519	318	183	74.4	48.3	28.6
1.75V	834	624	495	307	181	73.9	48.2	28.3
1.80V	750	567	456	293	176	72.2	47.4	28.1

