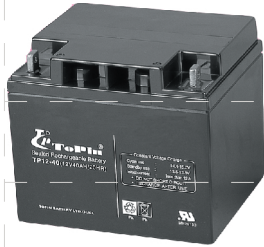


MAINTENANCE-FREE RECHARGEABLE BATTERY FOR HIGHT RATE USE

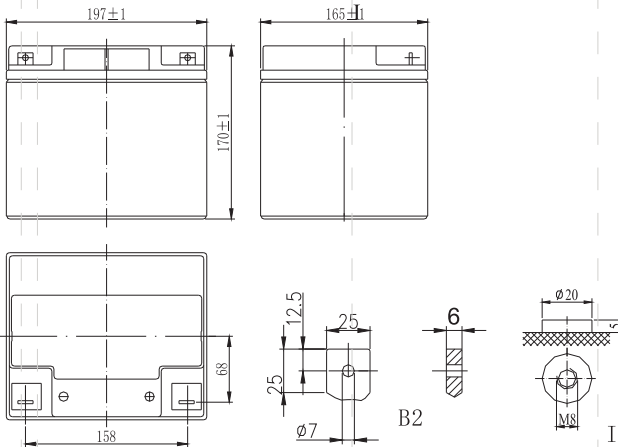


General Features

- 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)	197 / 7.76
Width(mm / inch)	165 / 6.50
Height(mm / inch)	170 / 6.69
Total Height(mm / inch)	170 / 6.69
Approx. Weight(Kg / lbs)	13.5 / 29.8
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)	
20 hour rate (2A, 10.5V)	40Ah
10 hour rate (3.9A, 10.5V)	39Ah
5 hour rate (6.97A, 10.5V)	34.85Ah
1 hour rate (25.9A, 9.6V)	25.9Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	9.5mOhms
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)	400A(5s)
Short Circuit Current	900A
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	14.4-14.7V
Maximum charging current	12A
Temperature compensation	-30mV/°C
Standby use	13.6-13.8V
Temperature compensation	-20mV/°C

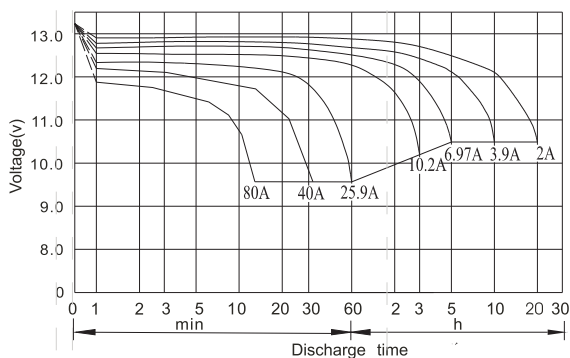
Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	1h	3h	5h	10h	20h
1.60V	138	93.0	75.2	42.0	25.9	10.60	7.37	4.05	2.07
1.65V	129	88.4	71.4	40.7	25.6	10.40	7.24	4.00	2.05
1.70V	119	83.7	68.6	39.3	25.2	10.20	7.11	3.95	2.03
1.75V	110	79.1	64.9	38.0	24.9	9.95	6.97	3.90	2.00
1.80V	101	75.2	58.7	37.7	24.5	9.72	6.80	3.80	1.95

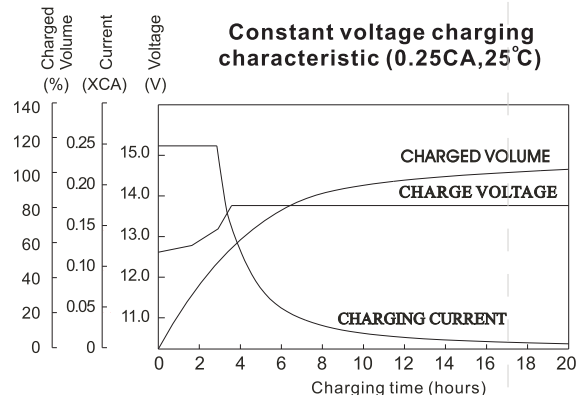
Discharge Constant Power (Watts at 77°F25°C)

End Point Volts/Cell	5min	10min	15min	30min	45min	1h	2h	3h	5h
1.60V	250	170	132	85.5	63.0	52.0	28.5	21.6	14.3
1.65V	233	163	128	82.9	61.8	51.2	27.6	21.3	14.1
1.70V	215	155	124	80.3	60.5	50.3	26.7	20.9	13.9
1.75V	198	148	120	77.7	59.3	49.5	25.6	20.6	13.7
1.80V	186	140	116	75.0	58.0	48.6	26.7	20.2	13.6

Discharge characteristic (25°C)



Constant voltage charging characteristic (0.25CA, 25°C)



MAINTENANCE-FREE RECHARGEABLE BATTERY FOR HIGHT RATE USE

