

FL12550 (12V55AH/10HR)

The rechargeable batteries are lead-lead dioxide systems. The dilute sulfuric acid electrolyte is absorbed by separators and plates and thus immobilized. Should the battery be accidentally overcharged producing hydrogen and oxygen, special one-way valves allow the gases to escape thus avoiding excessive pressure build-up.

Otherwise, the battery is completely sealed and is, therefore, maintenance-free, leak proof and usable in any position.

- 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.
- Long service life, float or cyclic applications.
- Maintenance-free operation.
- Low self discharge

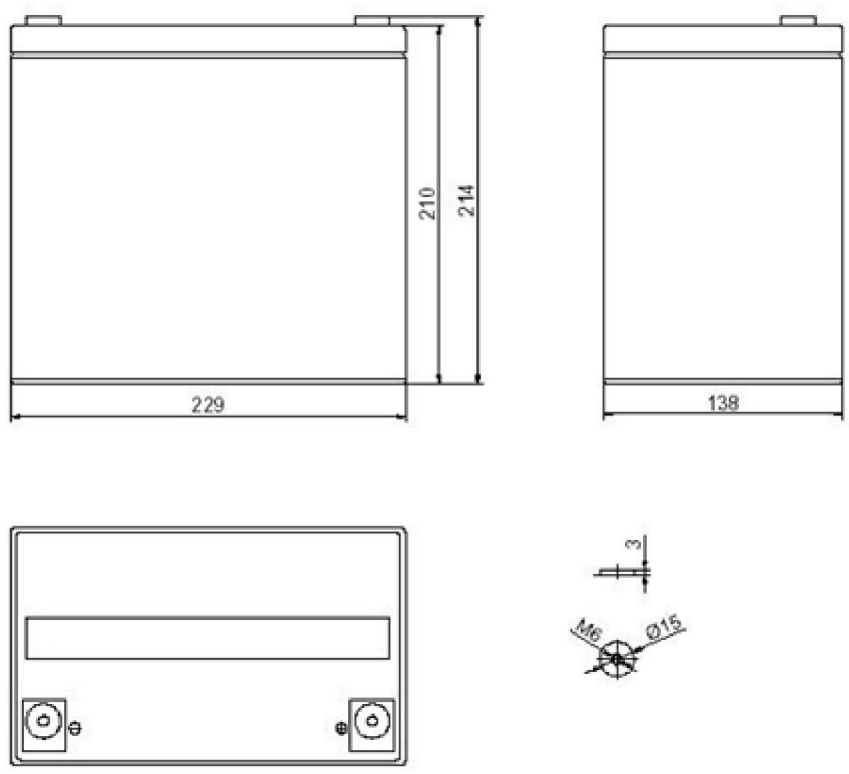


Specification

Nominal Voltage	12 V
Approx Weight	19.00 Kgs
Design Life	9 years
Nominal Capacity 77°F (25 °C)	20 hour rate (2.88A,10.5V)57.6AH 10 hour rate (5.5 A,10.5V)55AH 5 hour rate (9.9A,10.5V)49.5AH 1 hour rate (34.6A,9.6V)34.6AH
Internal Resistance (fully charged battery 77°F (25 °C))	Approx.7m
Self Discharge :	3% of capacity declined per month at 20 °C (average) Discharge..... - 15 ~55
Operating Temperature Range :	Charge..... - 10 ~55) Storage..... - 15 ~55
Max. Discharge Current77°F (25 °C)	550 A(5S)
Short Circuit Current	1300A
Charge Methods: Constant Voltage Charge 77°F (25 °C)	Cycle use:14.5-14.9V Maximum Charging Current: 16.5A

Temperature compensation..... - 15mv/
 Standby use: 13.6 v ~13.8 v
 Temperature compensation..... - 10mv/
Container Material : ABS (UL94-HB3)*Flammability resistance of (UL94-V0) can be available upon request.

Dimensions



Discharge Characteristics

Constant Current Discharge Characteristics Unit:Amperes (25 ,77)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	183	133.7	103.8	61.4	36.4	15.0	10.1	5.43	2.77
1.65V	178	128.6	98.7	59.7	35.2	14.7	9.7	5.43	2.77
1.70V	174	119.4	93.6	57.7	34.4	14.4	9.5	5.39	2.77
1.75V	170	109.5	89.0	55.6	33.5	13.9	9.4	5.28	2.75
1.80V	164	103.7	82.6	53.7	32.8	13.7	9.3	5.25	2.75

Constant Power Discharge Characteristics Unit:Watts (25 ,77)

F.V/Time	5MIN	10MIN	15MIN	30MIN	1HR	3HR	5HR	10HR	20HR
1.60V	317	246	190	114	71.2	42.4	19.3	12.1	5.85
1.65V	304	232	182	112	69.7	41.7	19.2	12.1	5.81
1.70V	299	219	175	110	68.1	40.9	18.9	12.0	5.77
1.75V	287	206	167	108	66.5	39.8	18.8	11.4	5.73
1.80V	281	191	158	106	64.7	39.0	18.6	11.0	5.70