



**VALVE REGULATED
LEAD ACID BATTERY (V.R.L.A.)**



**ABSORBED GLASS MAT
TECHNOLOGY (A.G.M.)**



**10 YEAR DESIGN FOR UPS AND
STANDBY APPLICATIONS**

Specifications

Cells per unit	6
Nominal voltage	12
Terminal type	M8/20
Maximum discharge current	800 amps@5sec
Short circuit current	3366 amps
Impedance@77°F 25°C	4.10 milliohms
Weight lbs / kgs	71.7 / 32.5 +/-5%
Electrolyte (S.G.)	1.300
Capacity @ 77° (25°C) to 1.75 V.P.C.	100.0 AH (20 hrs)
Ideal operating temperature range	+68°F (+20°C) to +77°F (25°C)
Extended operating temperature range	Discharge: -40°F (-40°C) to +140°F (+60°C) Charge: -40°F (-40°C) to +122°F (+50°C)
Float Voltage	13.5 to 13.8 @ 77°F (25°C)
Maximum charging current	C/4 amperes at 100% discharge Unlimited at partial discharge.
AC ripple from charging source	1.5% peak to peak of float charge voltage
Storage	6months at 77°F (25°C)

Features

- Gas recombination greater than 99%
- Operates at low internal pressure.
- Never needs watering, minimal maintenance.
- 99.7% pure lead calcium grids.
- Shock absorbent thick wall construction.
- Cold forged non-porous terminal bushings, eliminate post leakage.
- Thermally welded case to cover bond, eliminates both acid and electrical leaks.
- Over-sized, through the partition inter-cell welds provide low resistance connections, with minimal power loss.
- Each cell has a low pressure safety release venting system, recognized per U.L 924.
- Measured high vacuum acid fill, reduces electrical variability between cells.
- 100% recyclable materials.

Options

The Battery has a flame retardant ABS(UL94-V0) case and cover compliant with UL 1778; with an oxygen index greater than 28%

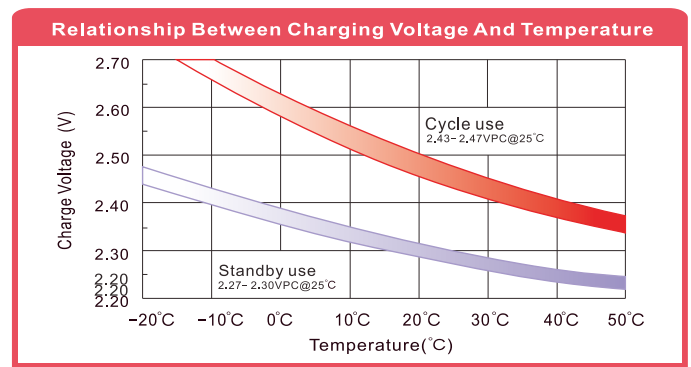
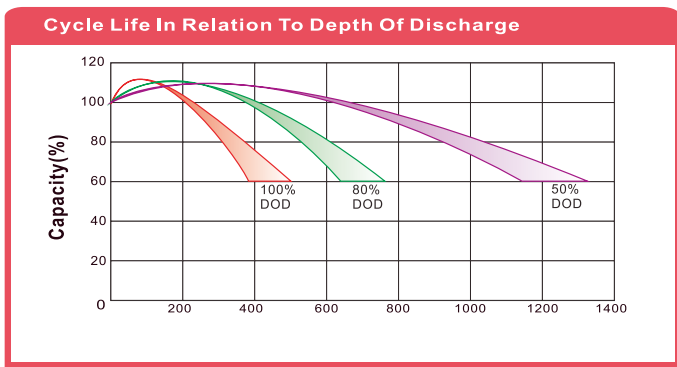
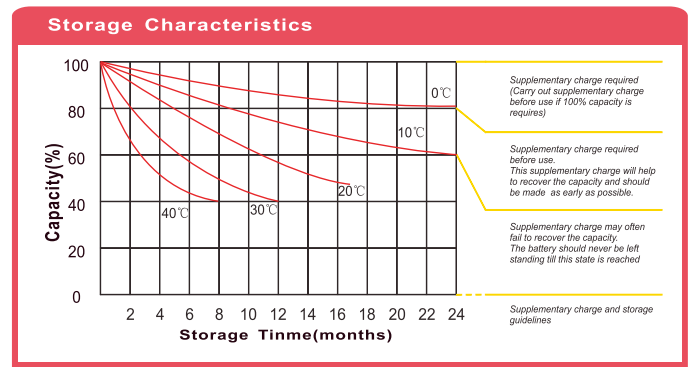
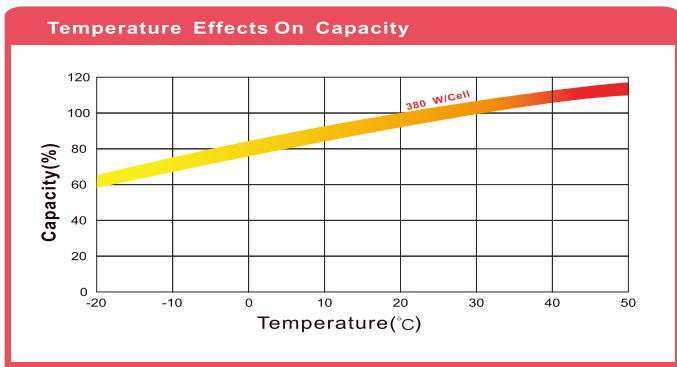
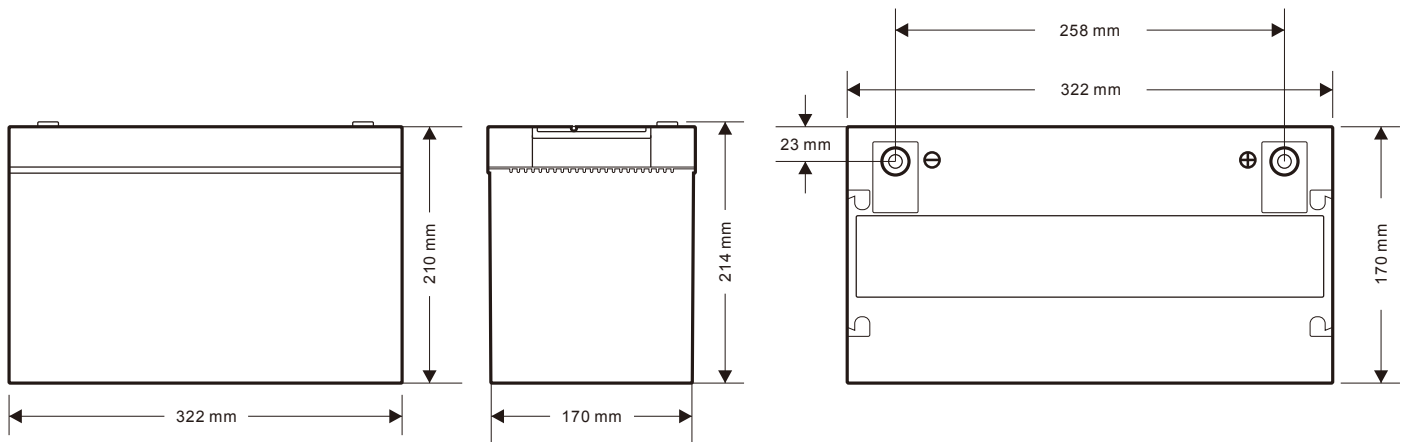
No transport restrictions

- Surface transport. Classified as non-hazardous material as relates to DOT-CFR Title 49 part 171-189.
- Maritime transport. Classified as non-hazardous material as per IMDG amendment 27.
- Air transport. Complies with IATA / ICAO, special provision A67.

DISCHARGE SPECIFICATIONS

Constant power ratings, Watts per battery @ 77°F (25°C) in minutes

Final V.P.C.	5	10	15	20	30	40	45	50	60	90
1.60	4312	3331	2575	2244	1596	1280	1179	1077	936	682
1.67	4050	3223	2526	2209	1575	1266	1167	1068	930	680
1.70	3935	3176	2474	2148	1538	1232	1132	1044	916	626
1.75	3552	2802	2197	1943	1435	1139	1050	962	838	613



Constant current ratings, Amperes @ 77° (25°C) in hours

Final V.P.C	1	2	3	4	5	6	8	10	12	24
1.75	77.7	45.2	32.8	25.9	21.2	18.1	14.0	11.4	9.8	5.3
1.80	76.4	44.6	32.4	25.2	20.9	17.8	13.8	11.3	9.6	5.2
1.85	72.5	42.9	31.0	24.1	20.0	17.0	13.1	10.8	9.2	4.9
1.90	61.4	37.0	26.8	21.0	17.3	14.7	11.2	9.2	7.8	4.2