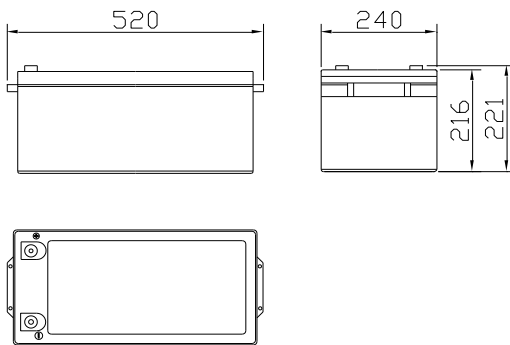


EXTRALINK BATTERY ACCUMULATOR VLRA 12V 200AH EX.9793

The battery is constructed by plates, separators, safety valves and container.
 Since the electrolyte is held by a glassmat separator and plates, the battery can use in any direction and position without leakage.

Outer Dimension



Performance Characteristics

Nominal Voltage	12V
Number of cell	6
Design Life	5 years
Nominal Capacity 77°F(25°C)	
20 hour rate(10A,10.5V)	200Ah
10 hour rate(18.6A,10.5V)	186Ah
5 hour rate (34.4A,10.5V)	172Ah
1 hour rate(130A,9.6V)	130Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	3mΩ
Self-Discharge	
3% of capacity declined per month at 20°C(average)	
Operation Temperature Range	
Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C
Max.Discharge Current 77°F(25°C)	1200A(5s)
Short Circuit Current	3000A

Dimensions and Weight

Length (mm / inch).....	522 / 20.55
Width (mm / inch)	240 / 9.45
Height (mm / inch)	216 / 8.50
Total Height (mm / inch).....	221 / 8.70
Approx.Weight(Kg / lbs).....	55.0 / 121.0

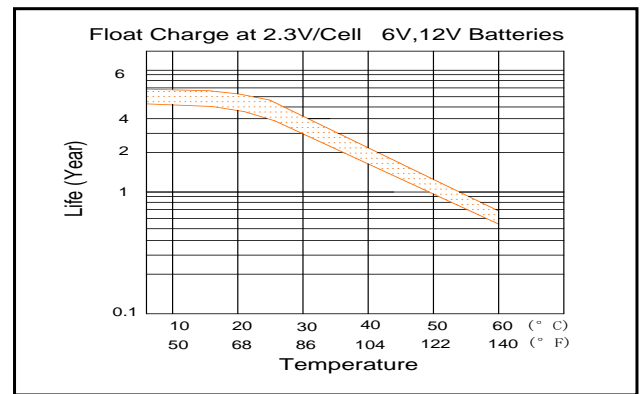
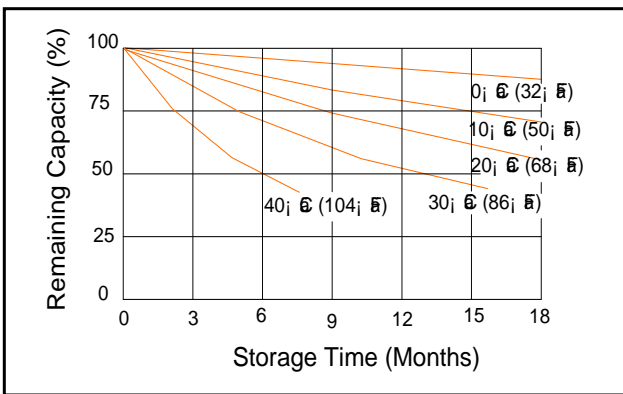
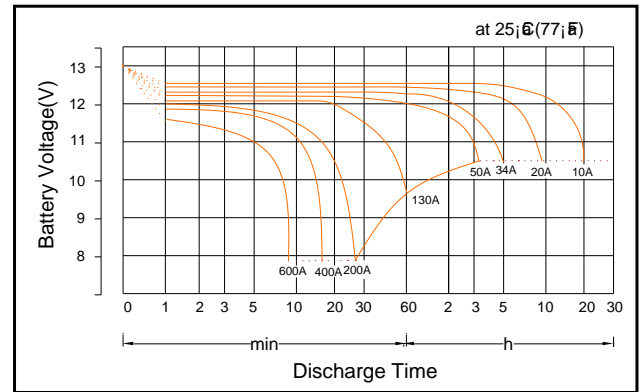
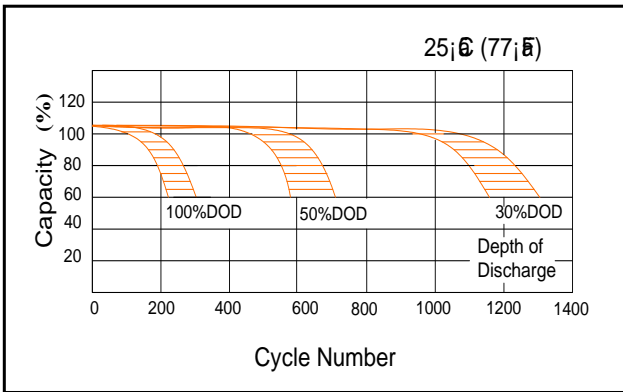
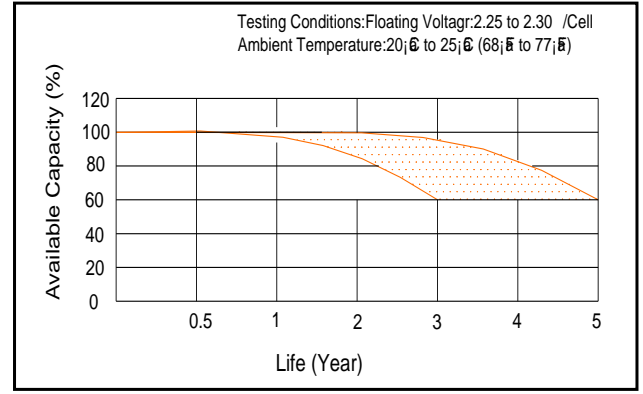
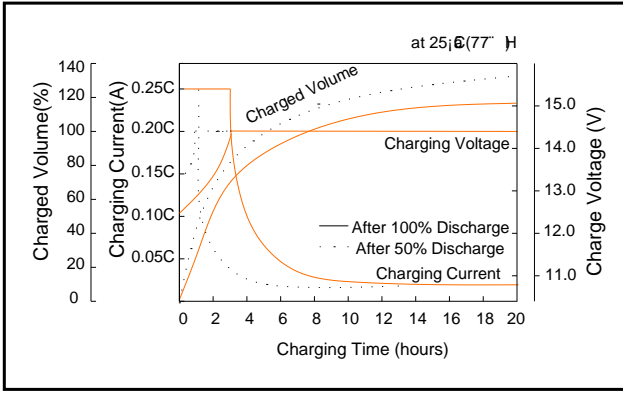
Battery Construction

COMPONENT	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
RAW MATERIAL	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

Charging Methods

Application	Charging method	Charging Voltage at 25° C	Temperature compensation coefficient of charging voltage	Max.charging current	Charging time 25°C(h)		Temp (° C)
					100% discharge	50% discharge	
For standby power source	Constant voltage & Constant Current Charging (with current restriction)	13.4-13.8V	-18 mV/° C	60A	24	20	0~40 (32~104° F)
For cycle service		14.5-15.0V	-30 mV/° C	60A	16	10	

*Temperature compensation of charging voltage is not needed when using the batteries within 15° C to 35° C range.



Discharge Constant Current (Amperes at 77°F/25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	700	560	400	231	164	120	70.0	50.5	34.4	22.5	18.8	10.2
9.90V	680	540	380	225	161	118	69.5	50.4	34.1	22.5	18.8	10.2
10.20V	640	500	360	220	160	116	69.1	50.0	34.0	22.4	18.5	10.0
10.50V	560	420	340	208	159	114	68.0	49.5	34.0	22.1	18.5	10.0
10.80V	500	360	320	180	156	110	66.0	48.0	33.6	22.1	18.1	9.81

Discharge Constant Power (Watts/cell at 77°F/25°C)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	5h	8h	10h	20h
9.60V	7650	6126	4422	2670	1872	1506	810	586	398	263	219	120
9.90V	7326	5880	4176	2586	1848	1470	798	583	396	262	218	120
10.20V	6984	5526	3978	2466	1824	1470	792	579	394	262	218	119
10.50V	6120	4674	3762	2310	1800	1446	786	573	394	259	216	117
10.80V	5466	4200	3546	2010	1776	1434	762	555	391	259	213	115