

CL800 2V 800Ah(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.



Battery Construction

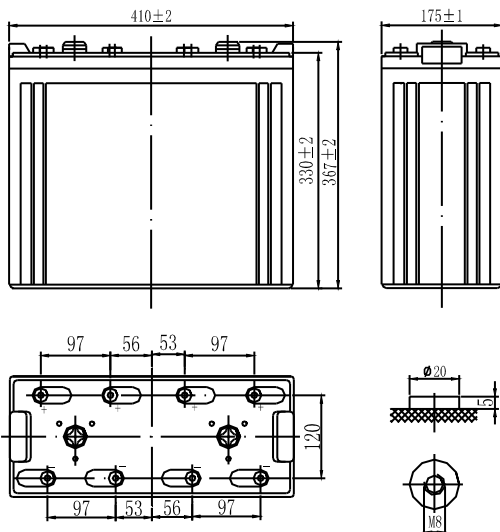
Component	Positive plate	Negative plate	Container	Cover	Safety valve	Terminal	Separator	Electrolyte
Raw material	Lead dioxide	Lead	ABS	ABS	Rubber	Copper	Fiberglass	Sulfuric acid

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)	410 / 16.14
Width(mm / inch)	175 / 6.89
Height(mm / inch)	330 / 13.0
Total Height(mm / inch)	367 / 14.5
Approx. Weight(Kg / lbs)	53.5 / 118.0



Total height with removable cover: 367

Performance Characteristics

Nominal Voltage	2V
Number of cell	1
Design Life	20 years
Nominal Capacity 77°F(25°C)	
10 hour rate (80A, 1.8V)	800Ah
5 hour rate (141A, 1.75V)	705Ah
1 hour rate (476A, 1.6V)	476Ah
Internal Resistance	
Fully Charged battery 77°F(25°C)	0.23mOhms
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)	3000A(5s)
Charge Methods: Constant Voltage Charge 77°F(25°C)	
Cycle use	2.30-2.35VPC
Maximum charging current	160A
Temperature compensation	-5.0mV/°C
Standby use	2.23-2.27VPC
Temperature compensation	-3.3mV/°C

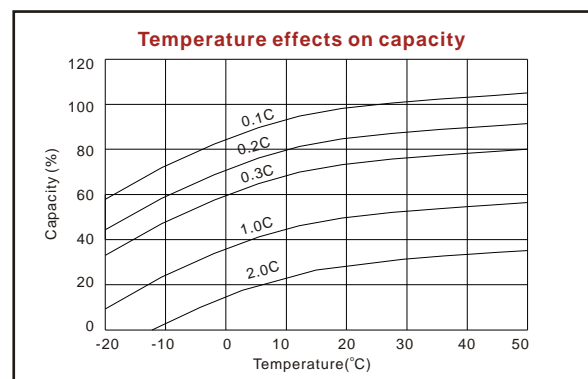
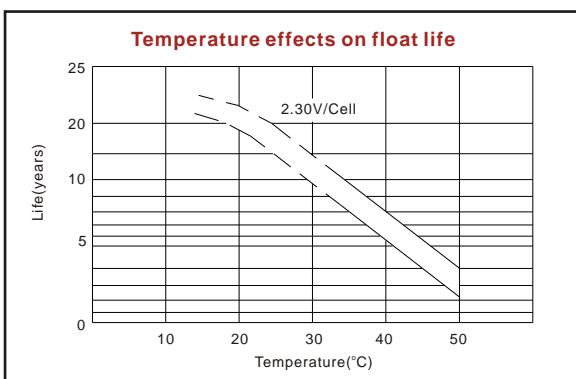
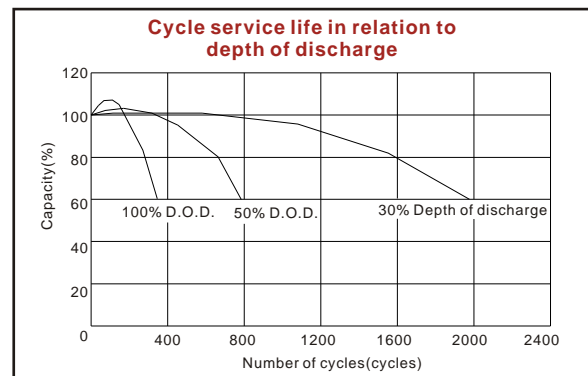
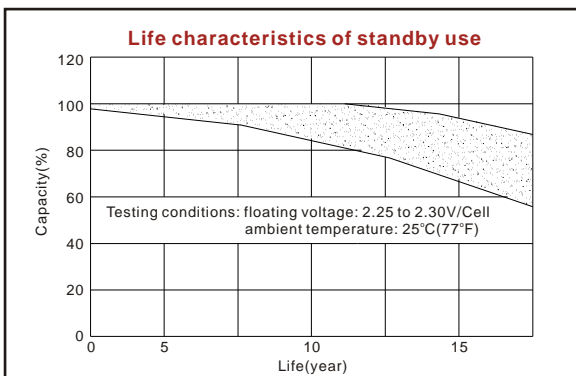
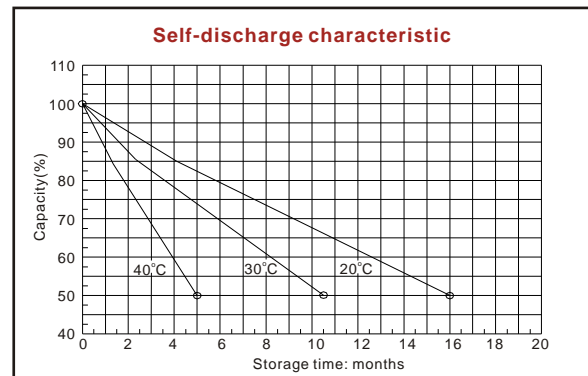
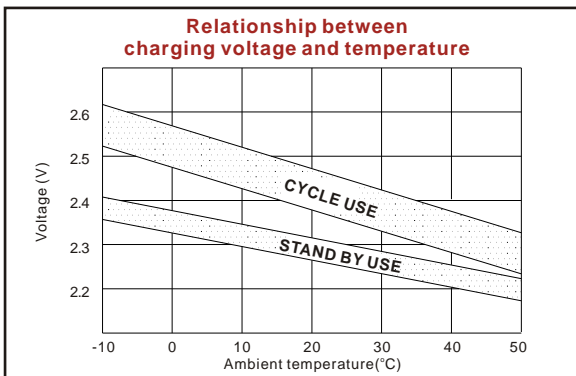
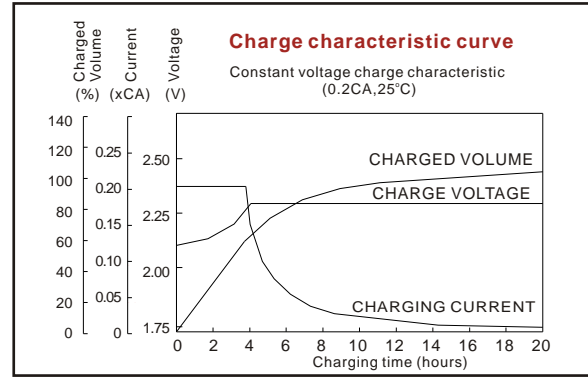
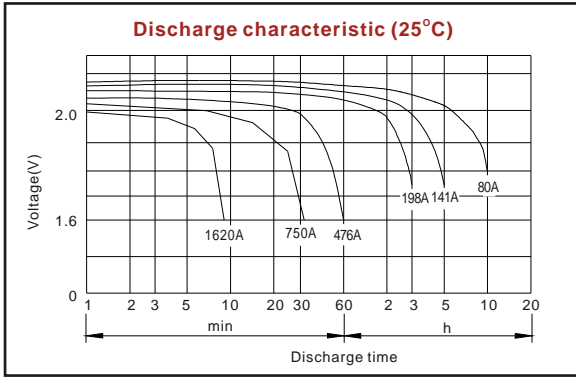
Discharge Constant Current (Amperes at 77°F25°C)

End Point Volts/Cell	10min	15min	30min	45min	60min	3h	5h	10h
1.60	1450	1191	780	618	476	220	153	86.0
1.64	1374	1134	745	593	459	213	149	84.9
1.70	1296	1075	710	567	440	207	145	83.0
1.75	1216	1015	673	540	421	198	141	81.8
1.80	1134	953	635	511	401	189	136	80.0

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

End Point Volts/Cell	10min	15min	30min	45min	60min	2h	3h	5h
1.60	2202	1855	1407	1076	899	613	442	303
1.64	2075	1755	1337	1027	860	595	423	298
1.70	1946	1653	1265	976	821	576	405	292
1.75	1817	1550	1191	922	780	558	386	286
1.80	1690	1448	1118	869	738	539	368	271

(Note)The above characteristics data are average values obtained within three charge/discharge cycles not the minimum values.



ISO9001:2000

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