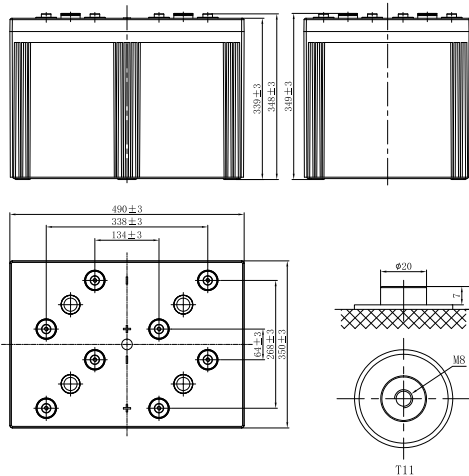


LP SERIES-GENERAL PURPOSE

LP2-2500 (2V2500Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	$C_{10}, 1.80V/cell$	2500Ah
Dimension	Length	490mm (19.3inches)
	Width	350mm (13.8inches)
	Container Height	339mm (13.3inches)
	Total Height	349mm (13.7inches)
Approx Weight	133.0kg (293.2lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	20000A	
Internal Resistance (25°C)	Approx 0.2 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max. Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.25-2.30V/cell	2.35-2.40V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	≤3% per month at 25°C (77°F). LP series batteries may be stored up to 6 months at 25°C (77°F) and then a freshening charge is required. For higher temperatures the time interval will be shorter.	
Self Discharge		

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)														
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	/	/	1784.7	1411.0	1235.0	949.5	769.2	585.2	470.6	397.2	344.8	280.2	234.3	125.6
1.80V/cell	/	/	2017.7	1577.8	1366.8	1038.8	836.9	633.1	507.3	427.8	369.8	300.0	250.0	132.5
1.75V/cell	/	/	2108.8	1641.9	1417.3	1073.8	862.5	650.0	520.0	437.5	377.5	305.5	253.9	134.2
1.70V/cell	/	/	2201.8	1704.2	1469.3	1110.0	890.0	669.0	533.1	447.5	385.7	310.9	257.9	135.9
1.67V/cell	/	/	2257.4	1742.5	1500.0	1130.1	904.9	679.1	540.5	453.0	390.3	314.1	260.1	136.9
1.60V/cell	/	/	2385.0	1832.5	1573.0	1180.5	942.6	704.1	558.5	466.9	401.2	321.6	265.6	139.3
Constant Power Discharge (Watts/cell) at 25°C (77°F)														
F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	/	/	3449.3	2736.0	2400.5	1851.2	1503.2	1147.3	924.9	781.9	679.8	553.7	463.6	249.7
1.80V/cell	/	/	3867.0	3036.9	2638.7	2013.9	1627.3	1236.3	993.5	839.6	727.3	591.6	494.0	263.2
1.75V/cell	/	/	4007.4	3136.1	2716.9	2068.9	1667.9	1263.8	1014.5	856.0	740.4	601.1	500.8	266.4
1.70V/cell	/	/	4146.0	3229.5	2797.3	2126.1	1712.3	1294.7	1036.4	873.0	754.5	610.5	507.9	269.5
1.67V/cell	/	/	4228.1	3285.5	2842.1	2156.3	1734.8	1310.6	1048.2	881.9	762.1	616.1	511.8	271.4
1.60V/cell	/	/	4409.6	3418.7	2952.3	2233.9	1793.9	1350.9	1077.6	905.0	780.3	628.7	521.3	275.9

LP SERIES-GENERAL PURPOSE

LP2-2500 (2V/2500Ah)

APPLICATIONS

- Tele-communication central station (wired or cellular)
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.
- Uninterruptable Power System (UPS - for Telecom)

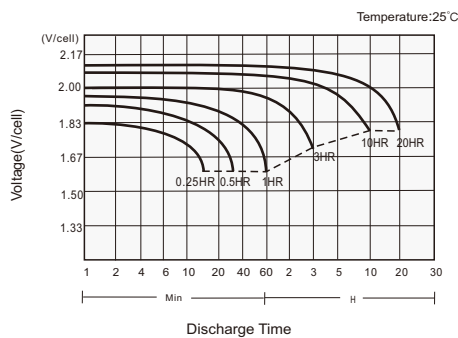
GENERAL FEATURES

- 15 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

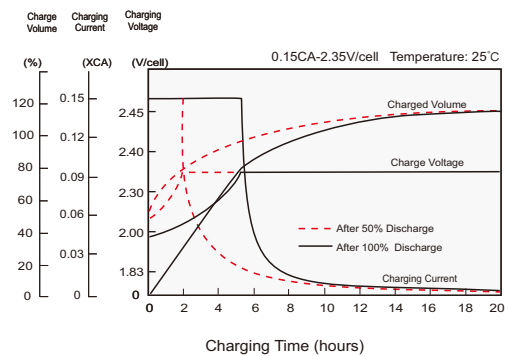
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

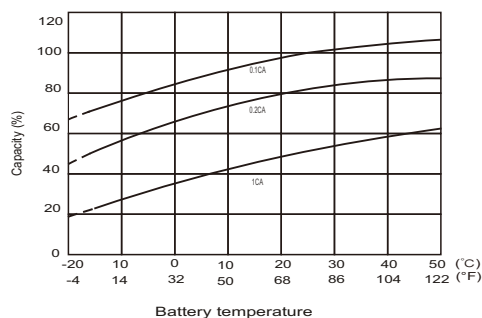
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

