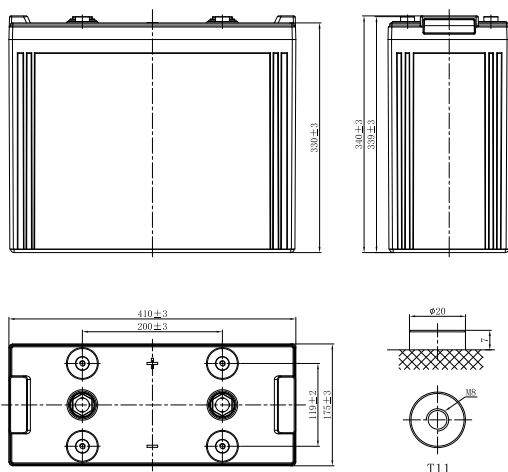


LPGS SERIES-HYBRID GEL BATTERY

LPGS2-800 (2V800Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	800Ah
Dimension	Length	410mm (16.1inches)
	Width	175mm (6.89inches)
	Container Height	330mm (13.0inches)
	Total Height	340mm (13.4inches)
Approx Weight	50.4kg (111.1lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	8800A	
Internal Resistance (25°C)	Approx 0.4 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.25C	
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%
Self Discharge	≤3% per month at 25°C (77°F). LPGS series batteries can 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.	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)													
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	600.5	542.9	504.0	440.2	385.3	246.1	187.2	150.6	127.1	110.3	89.7	75.0	40.2
1.80V/cell	745.4	660.4	578.8	492.3	426.4	267.8	202.6	162.3	136.9	118.3	96.0	80.0	42.4
1.75V/cell	822.1	696.2	605.6	512.3	442.2	276.0	208.0	166.4	140.0	120.8	97.7	81.2	42.9
1.70V/cell	914.9	779.3	644.7	531.7	458.4	284.8	214.1	170.6	143.2	123.4	99.5	82.5	43.5
1.67V/cell	947.0	806.3	662.6	543.7	468.0	289.6	217.3	173.0	145.0	124.9	100.5	83.2	43.8
1.60V/cell	994.7	840.2	674.9	571.7	490.8	301.6	225.3	178.7	149.4	128.4	102.9	85.0	44.6
Constant Power Discharge (Watts/cell) at 25°C (77°F)													
F.V/Time	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	1105.7	1004.1	925.5	853.6	749.0	481.0	367.1	296.0	250.2	217.5	177.2	148.4	79.9
1.80V/cell	1358.0	1209.6	1053.8	947.5	823.3	520.7	395.6	317.9	268.7	232.7	189.3	158.1	84.2
1.75V/cell	1481.9	1262.7	1093.1	978.5	847.7	533.7	404.4	324.6	273.9	236.9	192.4	160.3	85.2
1.70V/cell	1630.3	1399.2	1152.9	1007.6	872.8	547.9	414.3	331.6	279.3	241.4	195.4	162.5	86.2
1.67V/cell	1676.4	1438.5	1173.2	1025.1	886.7	555.1	419.4	335.4	282.2	243.9	197.1	163.8	86.8
1.60V/cell	1729.6	1475.1	1184.6	1066.6	921.1	574.0	432.3	344.8	289.6	249.7	201.2	166.8	88.3

LPGS SERIES-HYBRID GEL BATTERY

LPGS2-800 (2V800Ah)



APPLICATIONS

- Telecommunications
- Uninterruptable Power System
- Power system communication, military communication, etc.
- Network communication including: data transmission, television signal transmission, etc.

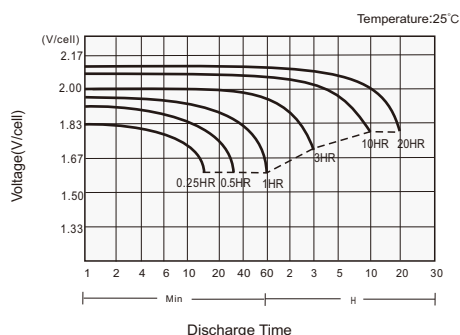
GENERAL FEATURES

- 16 years design life (25°C)
- Proven AGM-GEL technology
- Excellent deep discharge recovery and cyclability
- Very low maintenance: no water addition
- Low self-discharge rate

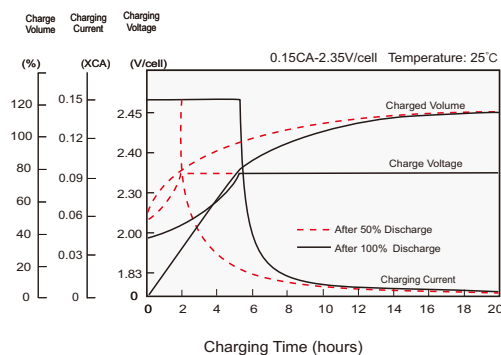
STANDARDS

- IEC60896 Certified
- Classified as "Very Long Life" according to Eurobat
- UL, CE Approved
- Manufactured in Leoch® IATF16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

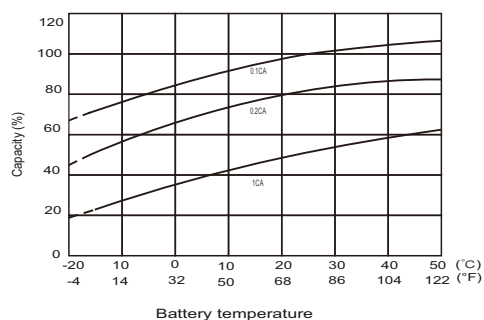
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

