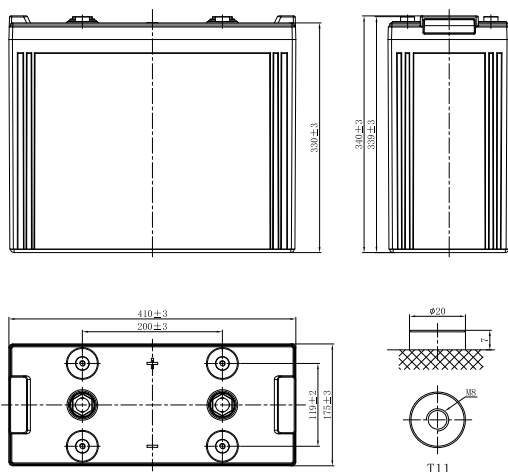
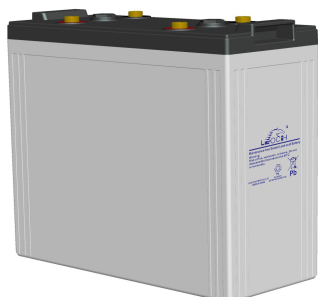


LPGS SERIES-HYBRID GEL BATTERY

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	50.7kg (111.8lbs)	
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	800.1	720.1	595.6	472.3	381.7	237.6	190.9	150.8	129.7	111.1	89.5	76.3	40.5
1.80V/cell	908.8	801.6	639.1	496.8	400.5	250.6	200.8	157.6	136.1	116.0	92.9	80.0	41.5
1.75V/cell	998.4	864.1	676.8	522.5	403.3	261.0	201.7	162.8	137.2	118.8	94.7	80.7	42.0
1.70V/cell	1065.6	924.1	710.2	539.4	405.6	268.7	203.6	166.4	138.1	120.8	96.1	81.2	42.5
1.67V/cell	1094.5	924.1	727.5	554.0	416.5	272.7	205.1	168.2	139.1	121.9	96.8	81.7	42.7
1.60V/cell	1157.0	988.0	757.9	573.5	432.1	280.1	207.2	171.2	141.2	123.7	98.1	83.1	43.2
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	1513.6	1368.4	1138.5	908.3	737.3	461.2	371.7	295.1	254.8	218.8	177.1	151.3	80.4
1.80V/cell	1695.1	1505.6	1211.0	948.0	769.1	484.3	388.3	307.0	266.2	227.7	183.3	158.4	82.1
1.75V/cell	1836.1	1604.3	1270.4	989.5	771.8	502.6	390.6	316.5	267.2	232.4	186.4	159.5	83.3
1.70V/cell	1937.5	1699.2	1322.8	1016.1	773.4	515.1	391.9	322.3	268.3	236.1	189.1	160.5	84.1
1.67V/cell	1971.4	1685.2	1343.5	1037.4	789.7	521.0	393.0	325.0	269.3	237.6	190.0	161.3	84.4
1.60V/cell	2042.6	1776.5	1385.6	1064.6	812.5	531.5	397.0	329.3	272.5	240.4	192.1	163.7	85.3

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.

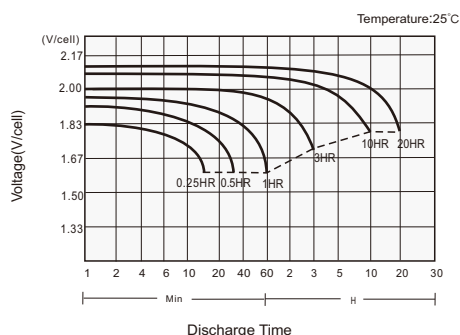
GENERAL FEATURES

- 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

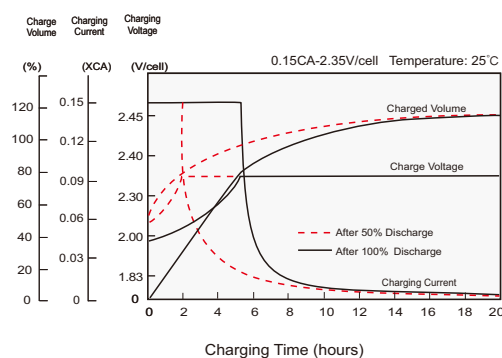
STANDARDS

- 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

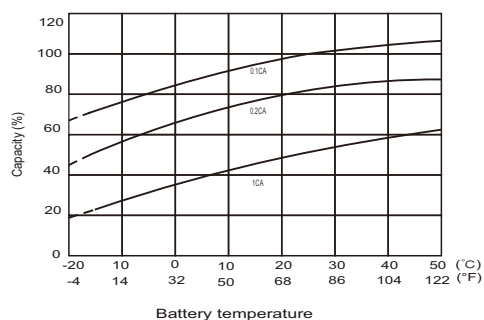
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

