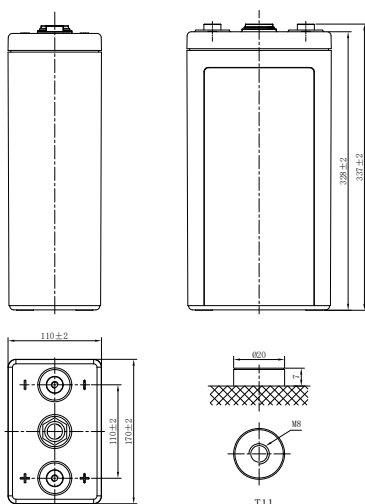


LPGS SERIES-HYBRID GEL BATTERY

LPGS2-200 (2V200Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	200Ah
Dimension	Length	170mm (6.69inches)
	Width	110mm (4.33inches)
	Container Height	328mm (12.9inches)
	Total Height	337mm (13.3inches)
Approx Weight	13.6kg (30.0lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3000A	
Internal Resistance (25°C)	Approx 0.9 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	200.0	180.0	148.9	118.1	95.4	59.4	47.7	37.7	32.4	27.8	22.4	19.1	10.1
1.80V/cell	227.2	200.4	159.8	124.2	100.1	62.7	50.2	39.4	34.0	29.0	23.2	20.0	10.4
1.75V/cell	249.6	216.0	169.2	130.6	100.8	65.2	50.4	40.7	34.3	29.7	23.7	20.2	10.5
1.70V/cell	266.4	231.0	177.5	134.8	101.4	67.2	50.9	41.6	34.5	30.2	24.0	20.3	10.6
1.67V/cell	273.6	231.0	181.9	138.5	104.1	68.2	51.3	42.0	34.8	30.5	24.2	20.4	10.7
1.60V/cell	289.2	247.0	189.5	143.4	108.0	70.0	51.8	42.8	35.3	30.9	24.5	20.8	10.8
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	378.4	342.1	284.6	227.1	184.3	115.3	92.9	73.8	63.7	54.7	44.3	37.8	20.1
1.80V/cell	423.8	376.4	302.7	237.0	192.3	121.1	97.1	76.8	66.6	56.9	45.8	39.6	20.5
1.75V/cell	459.0	401.1	317.6	247.4	193.0	125.6	97.6	79.1	66.8	58.1	46.6	39.9	20.8
1.70V/cell	484.4	424.8	330.7	254.0	193.4	128.8	98.0	80.6	67.1	59.0	47.3	40.1	21.0
1.67V/cell	492.9	421.3	335.9	259.3	197.4	130.3	98.2	81.2	67.3	59.4	47.5	40.3	21.1
1.60V/cell	510.6	444.1	346.4	266.1	203.1	132.9	99.2	82.3	68.1	60.1	48.0	40.9	21.3

LPGS SERIES-HYBRID GEL BATTERY

LPGS2-200 (2V200Ah)



APPLICATIONS

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

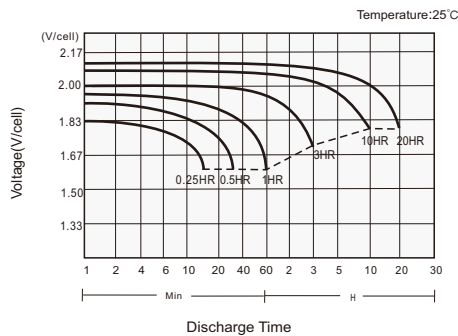
GENERAL FEATURES

- 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

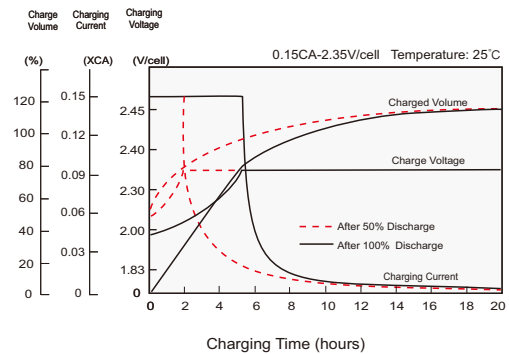
STANDARDS

- 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

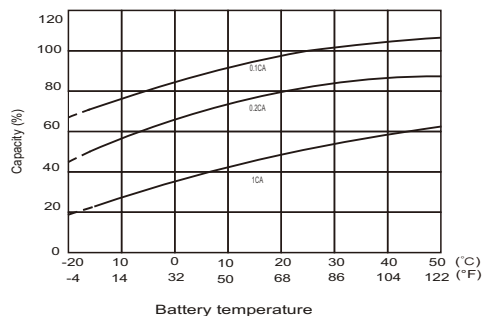
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

