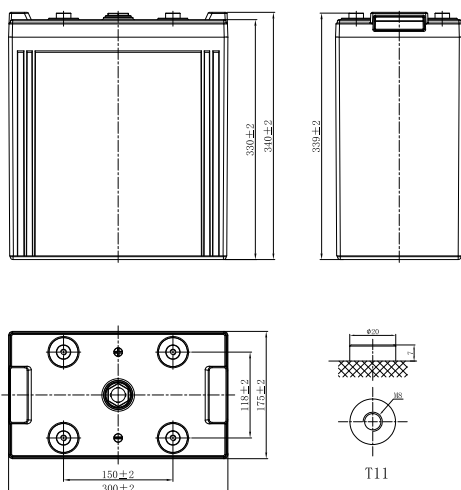


LPGS SERIES-HYBRID GEL BATTERY

LPGS2-600 (2V600Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	600Ah
Dimension	Length	300mm (11.8inches)
	Width	175mm (6.89inches)
	Container Height	330mm (13.0inches)
	Total Height	340mm (13.4inches)
Approx Weight	37.2kg (82.0lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	6600A	
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	600.0	540.0	446.7	354.2	286.3	178.2	143.2	113.1	97.3	83.3	67.1	57.2	30.4
1.80V/cell	681.6	601.2	479.4	372.6	300.4	188.0	150.6	118.2	102.1	87.0	69.7	60.0	31.1
1.75V/cell	748.8	648.1	507.6	391.8	302.5	195.7	151.3	122.1	102.9	89.1	71.0	60.5	31.5
1.70V/cell	799.2	693.1	532.6	404.5	304.2	201.5	152.7	124.8	103.6	90.6	72.1	60.9	31.9
1.67V/cell	820.9	710.1	545.6	415.5	312.4	204.5	153.8	126.1	104.3	91.4	72.6	61.3	32.0
1.60V/cell	867.7	741.0	568.5	430.2	324.1	210.1	155.4	128.4	105.9	92.8	73.6	62.3	32.4
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	1135.2	1026.3	853.9	681.2	553.0	345.9	278.8	221.3	191.1	164.1	132.8	113.5	60.3
1.80V/cell	1271.4	1129.2	908.2	711.0	576.8	363.2	291.2	230.3	199.7	170.8	137.5	118.8	61.6
1.75V/cell	1377.1	1203.2	952.8	742.1	578.9	376.9	292.9	237.4	200.4	174.3	139.8	119.6	62.5
1.70V/cell	1453.1	1274.4	992.1	762.1	580.1	386.3	293.9	241.7	201.2	177.1	141.8	120.4	63.1
1.67V/cell	1478.6	1294.9	1007.6	778.0	592.3	390.8	294.7	243.7	202.0	178.2	142.5	121.0	63.3
1.60V/cell	1531.9	1332.3	1039.2	798.4	609.4	398.6	297.7	246.9	204.4	180.3	144.1	122.8	64.0

LPGS SERIES-HYBRID GEL BATTERY

LPGS2-600 (2V600Ah)



APPLICATIONS

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

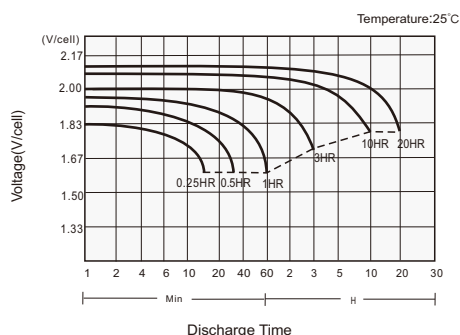
GENERAL FEATURES

- 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

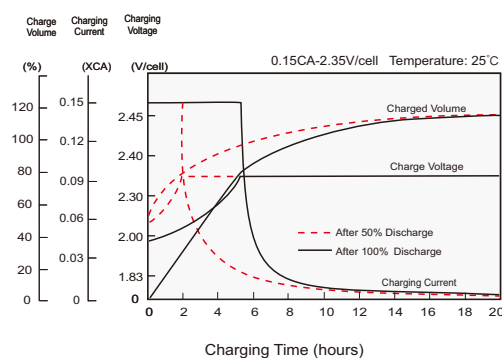
STANDARDS

- 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

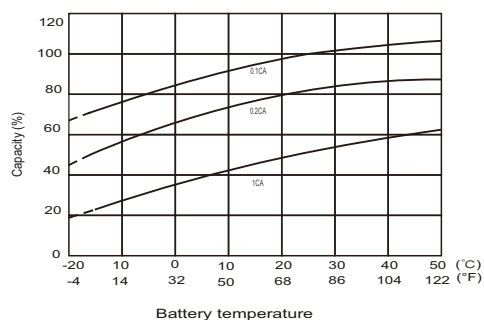
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

