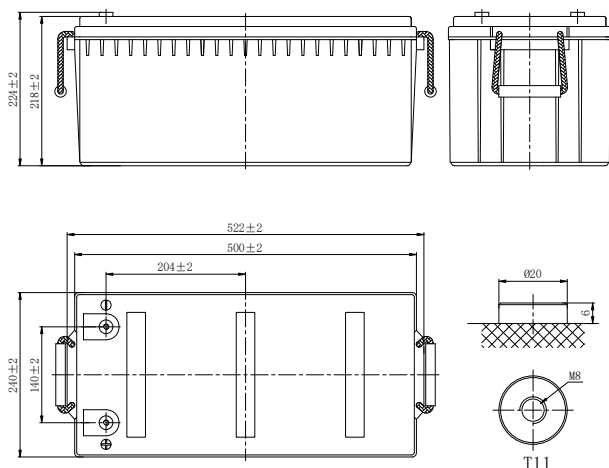


LPGS SERIES-HYBRID GEL BATTERY

LPGS12-210 (12V210Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ 1.75V/cell	210Ah
Dimension	Length	522mm (20.6inches)
	Width	240mm (9.45inches)
	Container Height	218mm (8.58inches)
	Total Height	224mm (8.82inches)
Approx Weight	62.5kg (137.8lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	3820A	
Internal Resistance (25°C)	Approx 3.2 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	0~40°C (32~104°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	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h
1.90V/cell	92.7	58.4	44.6	36.6	30.8	26.5	20.6	17.0	9.10	4.05	2.75	1.99
1.85V/cell	110.8	65.5	49.0	39.8	33.5	28.9	22.6	18.6	10.0	4.38	2.98	2.18
1.80V/cell	119.9	69.0	51.3	41.3	34.6	29.8	23.2	19.1	10.2	4.51	3.09	2.26
1.75V/cell	125.9	72.0	53.1	42.6	35.5	30.4	23.7	19.4	10.5	4.60	3.13	2.29

Constant Power Discharge (Watts/cell) at 25°C (77°F)												
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	20h	48h	72h	100h
1.90V/cell	181.4	115.2	88.7	72.8	61.8	53.3	41.3	34.0	18.1	8.11	5.49	3.99
1.85V/cell	214.9	128.0	96.4	78.6	66.8	57.3	44.9	37.0	20.0	8.78	5.98	4.38
1.80V/cell	230.1	133.8	100.6	79.2	68.5	59.0	46.2	37.9	20.4	9.00	6.17	4.51
1.75V/cell	240.9	139.1	103.6	83.4	69.9	60.1	46.9	38.5	20.9	9.20	6.26	4.59

LPGS SERIES-HYBRID GEL BATTERY

LPGS12-210 (12V210Ah)



APPLICATIONS

- Solar energy (wind energy) household system/ communication/ communication base station
- Movable energy storage system
- Solar traffic lights
- Solar, wind and solar power generation
- Emergency lighting system

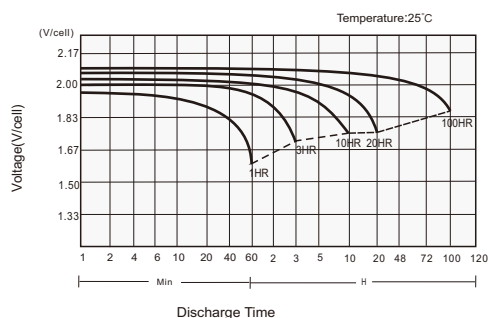
GENERAL FEATURES

- Proven AGM-GEL technology
- Excellent deep discharge recovery and cyclability
- Very low maintenance: no water addition
- Low self-discharge rate

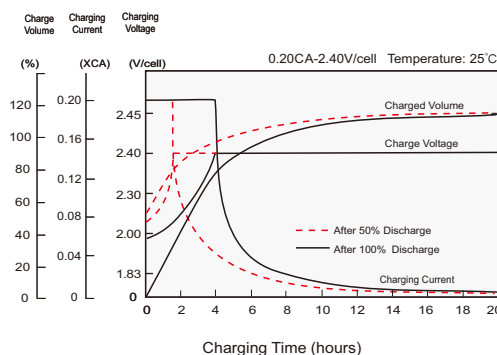
STANDARDS

- IEC60896 Certified
- Classified as "Long Life" according to Eurobat
- UL, CE Approved
- Manufactured in Leoch® IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

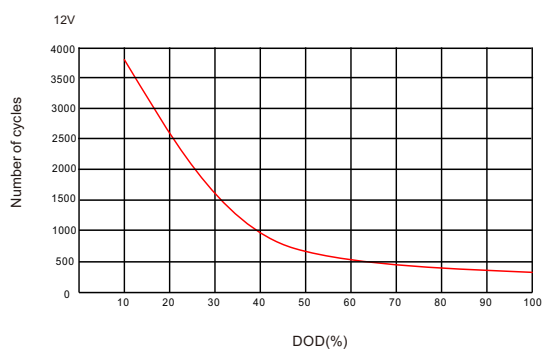
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

