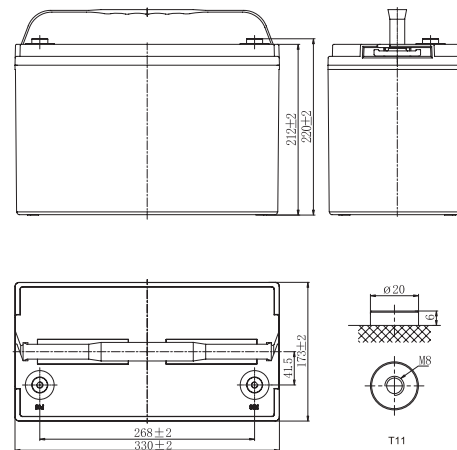


SPECIFICATIONS

Nominal voltage	12V	
Nominal capacity	100Ah at 1.80V/cell	
Dimensions	Length	330±3mm (13.0 inches)
	Width	173±2mm (6.81 inches)
	Container height	212±3mm (8.35 inches)
	Total height	220±3mm (8.66 inches)
Approx weight	28.2 Kg (62.2 lbs)	
Terminal	T11 (M8)	
Container material	ABS	
Rated capacity (25°C)	105.0Ah/5.25A	(200hr,1.80V/cell,25°C/77°F)
	100.0Ah/10.0A	(10hr,1.80V/cell,25°C/77°F)
	89.0Ah/17.8A	(5hr,1.75V/cell,25°C/77°F)
	77.1Ah/25.7A	(3hr,1.75V/cell,25°C/77°F)
	63.9Ah/63.9A	(1hr,1.67V/cell,25°C/77°F)
Max. discharge current	1000A (5s)	
Internal resistance	Approx 5.5mΩ	
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)	
Cycle use	Initial charging current less than 25.0A. voltage	
	14.1V~14.4V at 25°C (77°F) temp. coefficient -30mV/°C	
Standby use	Initial charging current less than 25.0A. voltage	
	13.5V~13.8V at 25°C (77°F) temp. coefficient -20mV/°C	
Capacity affected by temp.	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self discharge	LPGS series batteries may be stored for 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.	



LAYOUT



CONSTANT CURRENT DISCHARGE CHARACTERISTICS (A,25°C)

F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	152.8	119.2	82.5	67.5	52.5	35.5	29.9	23.8	19.4	16.6	15.0	11.7	9.39	4.93
1.80V/cell	170.3	132.8	92.0	73.8	55.6	37.5	31.5	25.0	20.3	17.2	15.5	12.0	10.0	5.25
1.75V/cell	177.7	138.6	96.0	77.5	59.0	39.7	33.0	25.7	21.1	17.8	15.9	12.2	10.2	5.36
1.70V/cell	179.9	140.3	97.2	79.5	61.7	41.5	34.2	26.5	21.6	18.1	16.2	12.4	10.3	5.41
1.67V/cell	182.7	142.5	98.7	81.3	63.9	42.9	35.2	27.3	22.1	18.4	16.5	12.6	10.4	5.46
1.60V/cell	185.5	144.7	100.2	82.4	64.6	44.0	35.8	27.8	22.4	18.7	16.7	12.7	10.5	5.51

CONSTANT POWER DISCHARGE CHARACTERISTICS (Watts/Block,25°C)

F.V/Time	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	280.1	218.5	151.3	117.9	84.4	64.3	52.9	40.4	33.2	30.4	26.9	20.0	16.7	8.79
1.80V/cell	312.2	243.5	168.6	129.7	90.7	69.3	57.1	43.3	35.1	32.2	28.4	20.7	17.0	8.94
1.75V/cell	325.8	254.1	175.9	135.7	95.4	72.3	59.3	44.6	36.3	33.2	29.1	21.0	17.2	9.04
1.70V/cell	329.9	257.3	178.1	138.9	99.7	74.8	60.9	45.8	37.2	33.9	29.6	21.1	17.4	9.14
1.67V/cell	335.0	261.3	180.9	142.5	104.1	77.5	62.6	47.2	38.2	34.3	30.0	21.3	17.6	9.24
1.60V/cell	340.0	265.2	183.6	145.9	108.2	79.9	63.9	48.1	38.7	34.7	30.4	21.7	17.9	9.40

APPLICATIONS

- Communication power supply
- Engine starting
- Pump systems
- Alarm installations
- Marine and power stations

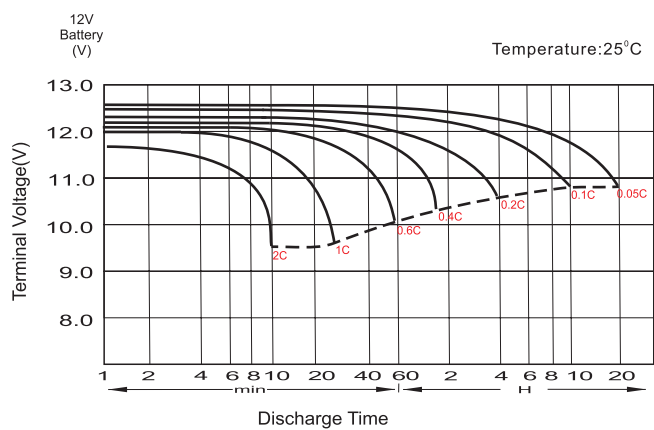
GENERAL FEATURES

- Adopted advantage AGM-GEL technology
- Operation temperature - 20~55°C
- ≤ 3% Self discharge @25°C

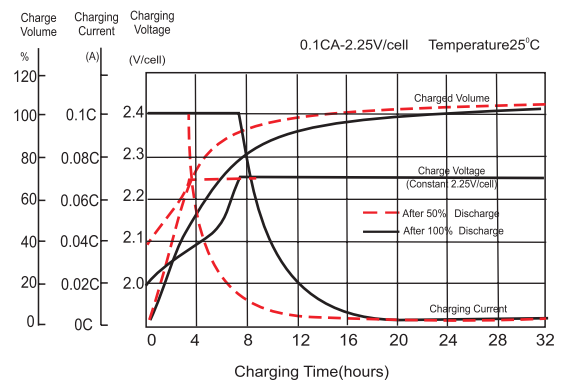
STANDARDS

- IEC 60896 Certified
- Classified as "Long Life" according to Eurobat
- UL Certified, CE Certified
- Manufactured in Leoch® IATF16949, ISO 9001, ISO 14001 and ISO 45001 certified production facilities

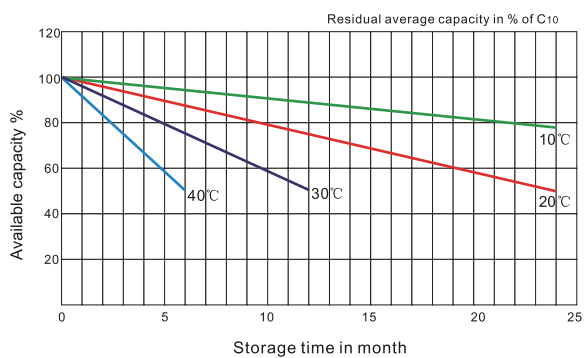
DISCHARGE CHARACTERISTICS



FLOAT CHARGING CHARACTERISTICS



GENERAL RELATION OF CAPACITY VS. STORAGE TIME



EFFECT OF TEMPERATURE ON LONG TERM FLOAT LIFE

