

Specification

Nominal Voltage	12V	
Nominal Capacity(20HR)	5.6AH	
Dimension	Length	90±1mm (3.54 inches)
	Width	70±1mm (2.76 inches)
	Container Height	101±2mm (3.98 inches)
	Total Height (with Terminal)	107±2mm (4.21 inches)
Approx Weight	Approx 1.77 Kg (3.90lbs)	
Terminal	T1	
Container Material	ABS	
Rated Capacity	5.60 AH/0.28A	(20hr, 1.80V/cell, 25°C/77°F)
	5.26 AH/0.526A	(10hr, 1.80V/cell, 25°C/77°F)
	4.69 AH/0.94A	(5hr, 1.75V/cell, 25°C/77°F)
	4.30 AH/1.43A	(3hr, 1.75V/cell, 25°C/77°F)
	3.60 AH/3.60A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	84A (5s)	
Internal Resistance	Approx 25.0mΩ	
Operating Temp. Range	Discharge : -15~50°C (5~122°F)	
	Charge : 0~40°C (32~104°F)	
	Storage : -15~40°C (5~104°F)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Initial Charging Current less than 1.68A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	LPC 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.	



Applications

- ◆ Electric tools
- ◆ Vehicle in place of walking
- ◆ Lawn mowers
- ◆ Golf trolleys and golfcart
- ◆ Portable apparatus, lights and instruments;
- ◆ Electric toys
- ◆ Illumination light
- ◆ Fire alarms
- ◆ Portable power
- ◆ Wheelchairs
- ◆ Medical equipments.



Constant Current Discharge (Amperes) at 25 °C (77°F)

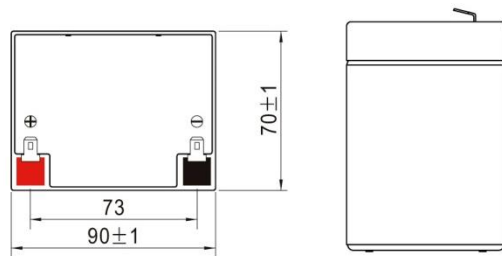
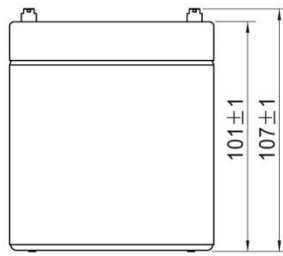
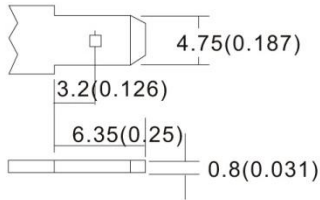
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	8.20	6.90	6.03	4.34	3.45	2.78	1.69	1.31	1.05	0.85	0.74	0.600	0.497	0.277
1.80V/cell	10.48	8.34	7.13	5.12	4.01	3.12	1.85	1.41	1.12	0.91	0.79	0.636	0.526	0.280
1.75V/cell	11.51	9.11	7.67	5.31	4.16	3.26	1.92	1.43	1.15	0.94	0.81	0.647	0.532	0.283
1.70V/cell	12.55	9.72	8.06	5.53	4.32	3.36	1.99	1.47	1.18	0.96	0.83	0.656	0.537	0.288
1.65V/cell	13.54	10.34	8.56	5.83	4.43	3.48	2.05	1.53	1.22	0.99	0.85	0.667	0.548	0.292
1.60V/cell	14.70	11.05	9.12	6.16	4.62	3.60	2.12	1.58	1.26	1.02	0.87	0.673	0.554	0.293

Constant Power Discharge (Watts/cell) at 25 °C (77°F)

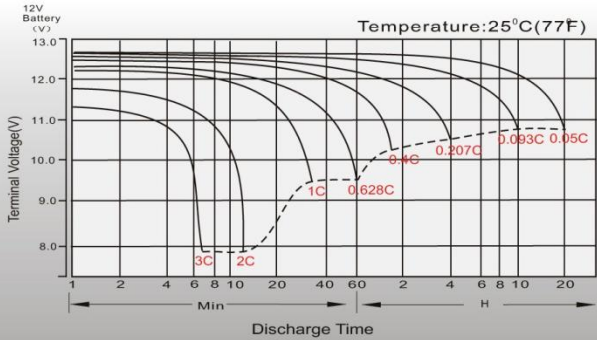
F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	15.3	13.0	11.5	8.34	6.67	5.40	3.30	2.55	2.06	1.67	1.46	1.187	0.984	0.555
1.80V/cell	19.3	15.5	13.4	9.72	7.69	6.01	3.58	2.73	2.19	1.79	1.56	1.257	1.042	0.560
1.75V/cell	20.9	16.7	14.3	10.0	7.94	6.27	3.70	2.78	2.24	1.83	1.60	1.277	1.052	0.564
1.70V/cell	22.5	17.7	14.9	10.4	8.23	6.45	3.84	2.85	2.29	1.87	1.63	1.294	1.061	0.574
1.65V/cell	24.1	18.8	15.8	10.9	8.41	6.64	3.94	2.96	2.36	1.92	1.66	1.313	1.082	0.581
1.60V/cell	25.7	19.8	16.6	11.4	8.68	6.82	4.04	3.04	2.43	1.98	1.70	1.324	1.093	0.583

T1 Terminal

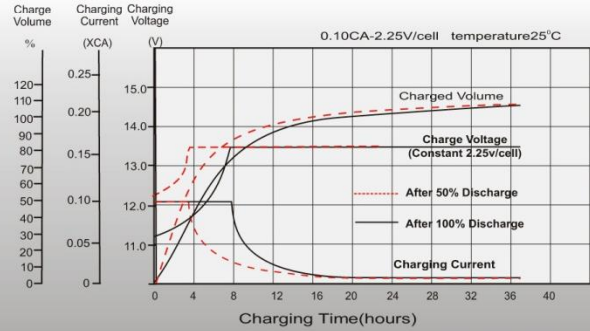
Unit: mm [inches]



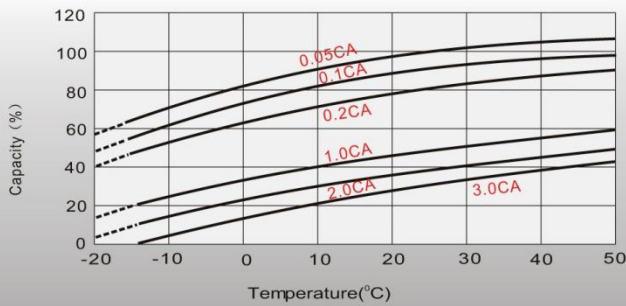
Discharge Characteristics



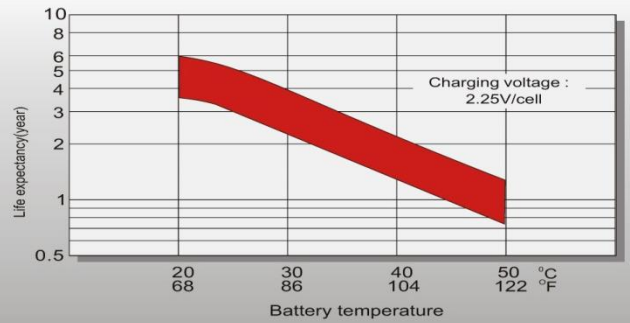
Float Charging Characteristics



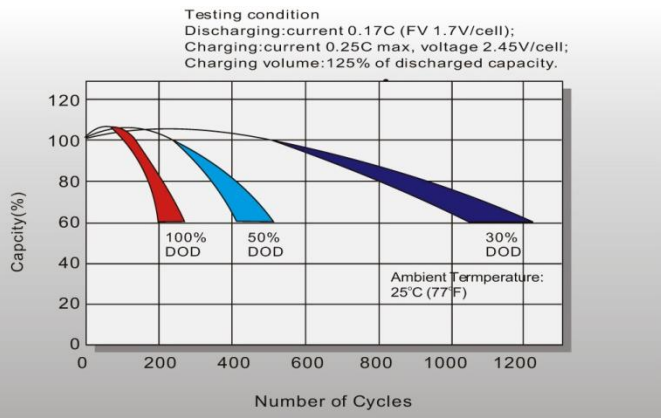
Temperature Effects in Relation to Battery Capacity



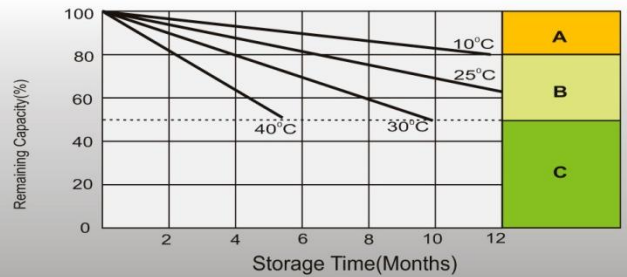
Effect of Temperature on Long Term Float Life



Cycle Life in Relation to Depth of Discharge



Self Discharge Characteristics



- A** No supplementary charge required (Carry out supplementary charge before use if 100% capacity is required.)
- B** Supplementary charge required before use. Optional charging way as below:
 1. Charged for above 3 days at limited current 0.25CA and constant voltage 2.25V/cell.
 2. Charged for above 20 hours at limited current 0.25CA and constant voltage 2.45V/cell.
 3. Charged for 8-10 hours at limited current 0.05CA.
- C** Supplementary charge may often fail to recover the capacity. The battery should never be left standing till this is reached.

Sales Office

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GACELL A/S
 SLETTEN 17
 DK - 7500 HOLSTEBRO

TEL: 961 02 961
 MAIL: SALG@GACELL-POWER.DK
 WEB: WWW.GACELL-POWER.DK

