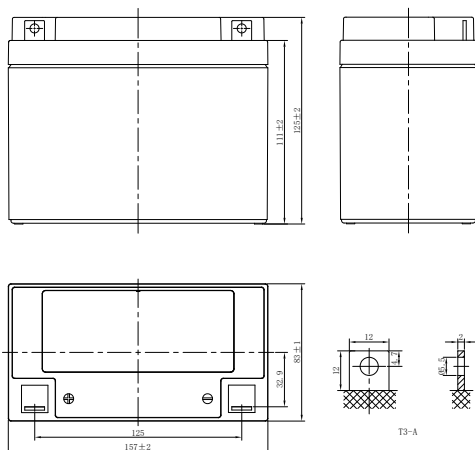


LPL SERIES-LONG LIFE STANDBY

LPL6-18 (6V18Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	6V	
Nominal Capacity (25°C)	C ₂₀ 1.75V/cell	18Ah
Dimension	Length	157mm (6.18inches)
	Width	83mm (3.27inches)
	Container Height	125mm (4.92inches)
	Total Height	125mm (4.92inches)
Approx Weight	3.30kg (7.28lbs)	
Terminal	T3-A	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	504A	
Internal Resistance (25°C)	Approx 9 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Float Charge	Equalization Charge
	2.25-2.30V/cell	2.35-2.45V/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). LPL series batteries may 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	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	45.7	40.5	32.1	26.4	19.7	14.6	11.9	8.53	6.85	4.95	3.95	3.35	2.82	2.14	1.75	0.882
1.80V/cell	47.9	42.5	33.4	27.3	20.2	14.9	12.1	8.67	6.95	5.03	4.00	3.40	2.86	2.17	1.77	0.891
1.75V/cell	50.3	44.6	34.6	28.1	20.7	15.2	12.4	8.84	7.06	5.10	4.06	3.44	2.90	2.19	1.79	0.900
1.70V/cell	52.7	46.7	35.8	28.9	21.1	15.5	12.6	8.98	7.17	5.18	4.11	3.48	2.94	2.22	1.81	0.910
1.67V/cell	54.0	47.9	36.6	29.4	21.4	15.6	12.7	9.06	7.24	5.22	4.15	3.51	2.96	2.24	1.82	0.915
1.60V/cell	57.3	50.8	38.2	30.6	22.1	16.1	13.0	9.26	7.39	5.32	4.22	3.58	3.01	2.27	1.85	0.928
Constant Power Discharge (Watts/cell) at 25°C (77°F)																
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	87.8	77.4	61.7	50.9	38.0	28.3	23.2	16.7	13.4	9.73	7.78	6.62	5.58	4.24	3.47	1.76
1.80V/cell	91.8	80.9	63.8	52.3	38.8	28.8	23.5	16.9	13.6	9.86	7.87	6.70	5.65	4.29	3.51	1.78
1.75V/cell	95.8	84.4	65.7	53.6	39.6	29.2	23.9	17.2	13.8	9.99	7.97	6.77	5.71	4.34	3.55	1.80
1.70V/cell	99.6	87.8	67.7	54.9	40.3	29.7	24.2	17.3	13.9	10.1	8.06	6.85	5.78	4.39	3.59	1.82
1.67V/cell	102.0	89.9	68.9	55.7	40.8	29.9	24.4	17.5	14.0	10.2	8.12	6.90	5.82	4.42	3.61	1.83
1.60V/cell	107.3	94.5	71.5	57.5	41.8	30.6	24.9	17.8	14.3	10.4	8.25	7.00	5.91	4.49	3.67	1.86

LPL SERIES-LONG LIFE STANDBY

LPL6-18 (6V18Ah)



APPLICATIONS

- UPS and EPS
- Emergency light
- Railway signal and aircraft signal system
- Marine and power stations
- Alarm and security system
- Electronic apparatus and equipment
- Communication power supply, DC power supply

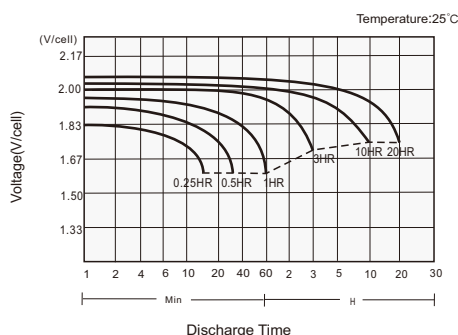
GENERAL FEATURES

- 10~12 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

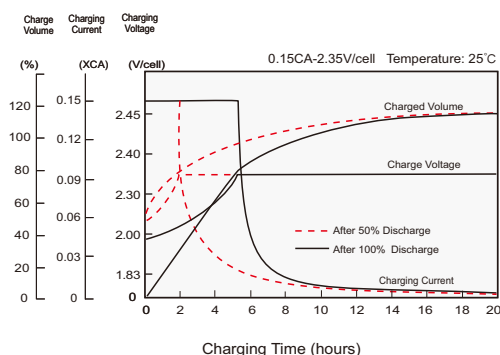
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch® IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

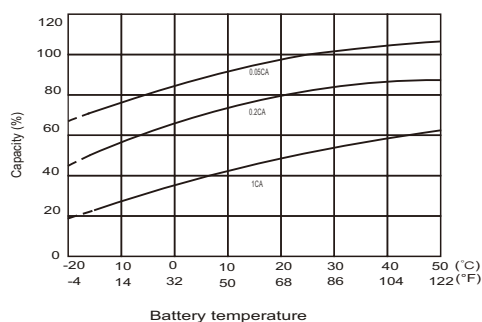
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

