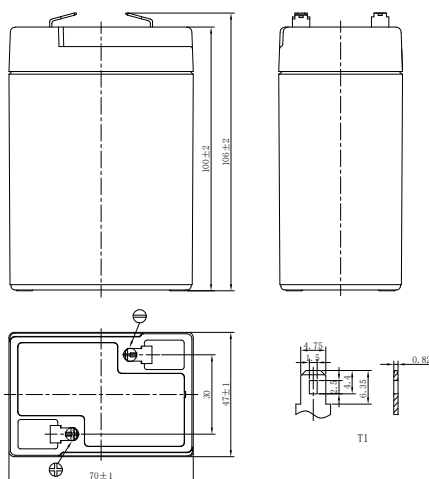


LP SERIES-GENERAL PURPOSE

LP6-5.0 (6V5.0Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	6V	
Nominal Capacity (25°C)	C ₂₀ , 1.75V/cell	5.0Ah
Dimension	Length	70mm (2.76inches)
	Width	47mm (1.85inches)
	Container Height	100mm (3.94inches)
	Total Height	106mm (4.17inches)
Approx Weight	0.72kg (1.59lbs)	
Terminal	T1/T2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	140A	
Internal Resistance (25°C)	Approx 22 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)	Standby Use	Cycle Use
	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). LP 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	12.56	9.18	7.28	5.94	4.52	3.32	2.71	2.04	1.70	1.21	0.973	0.827	0.708	0.556	0.454	0.244
1.80V/cell	13.56	9.60	7.57	6.12	4.63	3.38	2.76	2.08	1.73	1.23	0.987	0.839	0.717	0.563	0.459	0.247
1.75V/cell	14.56	10.11	7.84	6.31	4.74	3.46	2.81	2.11	1.76	1.26	1.00	0.850	0.726	0.570	0.466	0.250
1.70V/cell	15.67	10.56	8.12	6.49	4.86	3.51	2.86	2.16	1.79	1.27	1.01	0.861	0.736	0.577	0.471	0.252
1.67V/cell	16.44	10.89	8.29	6.61	4.92	3.56	2.89	2.17	1.80	1.28	1.02	0.867	0.741	0.581	0.474	0.254
1.60V/cell	17.78	11.56	8.67	6.86	5.07	3.66	2.96	2.22	1.84	1.30	1.04	0.883	0.754	0.591	0.481	0.257
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	23.67	17.56	14.00	11.44	8.73	6.43	5.27	3.99	3.34	2.39	1.92	1.63	1.40	1.10	0.902	0.543
1.80V/cell	25.56	18.33	14.56	11.67	8.91	6.54	5.36	4.06	3.38	2.42	1.94	1.66	1.42	1.12	0.912	0.549
1.75V/cell	27.44	19.11	14.89	12.00	9.09	6.64	5.43	4.10	3.43	2.46	1.96	1.67	1.43	1.13	0.923	0.554
1.70V/cell	29.33	19.89	15.44	12.33	9.26	6.74	5.51	4.16	3.47	2.48	1.99	1.69	1.46	1.14	0.933	0.560
1.67V/cell	30.44	20.44	15.56	12.56	9.40	6.81	5.56	4.19	3.50	2.50	2.00	1.70	1.46	1.16	0.939	0.563
1.60V/cell	32.78	21.44	16.22	12.89	9.60	6.96	5.66	4.26	3.56	2.54	2.03	1.73	1.48	1.17	0.953	0.572

LP SERIES-GENERAL PURPOSE

LP6-5.0 (6V5.0Ah)



APPLICATIONS

- Uninterruptable Power Supply (UPS)
- Electric Power System (EPS)
- Emergency backup power supply
- Alarm and security system
- Communication power supply
- DC power supply
- Auto control system

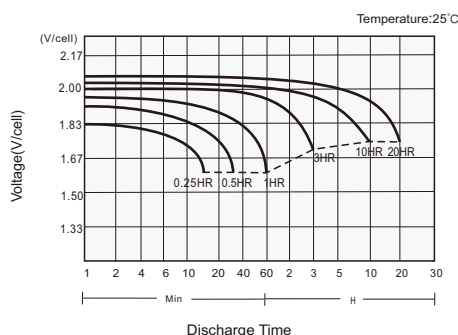
GENERAL FEATURES

- 5 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

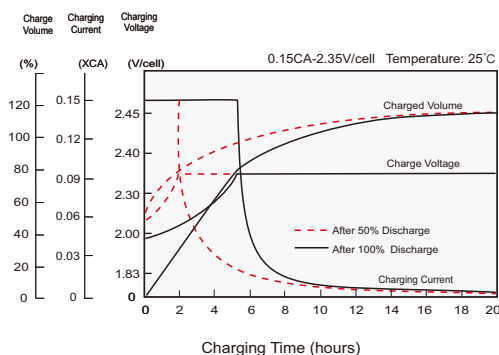
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved

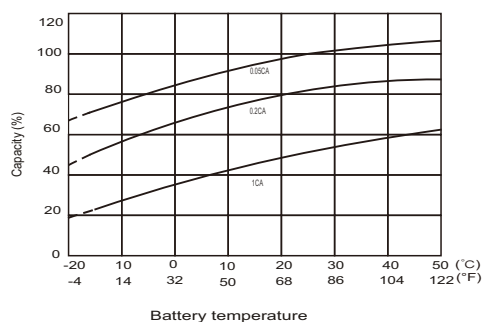
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

