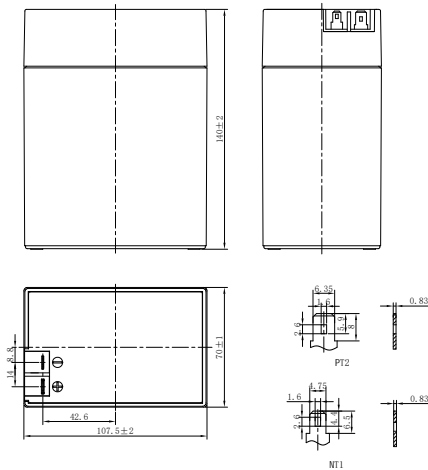


LP SERIES-GENERAL PURPOSE

LP6-13 (6V13Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	6V	
Nominal Capacity (25°C)	C ₂₀ , 1.75V/cell	13Ah
Dimension	Length	107.5mm (4.23inches)
	Width	70mm (2.76inches)
	Container Height	140mm (5.51inches)
	Total Height	140mm (5.51inches)
Approx Weight	2.24kg (4.94lbs)	
Terminal	NT1/PT2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	364A	
Internal Resistance (25°C)	Approx 12 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	
Effect of temp. to Capacity	40°C (104°F)	103%
	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	37.6	26.0	20.4	16.7	12.4	9.15	7.55	5.58	4.42	3.21	2.56	2.18	1.87	1.47	1.20	0.636
1.80V/cell	40.5	27.6	21.4	17.4	12.8	9.40	7.74	5.69	4.50	3.26	2.60	2.21	1.89	1.49	1.22	0.643
1.75V/cell	42.6	28.7	22.1	17.9	13.1	9.60	7.89	5.80	4.58	3.32	2.63	2.24	1.92	1.51	1.23	0.650
1.70V/cell	44.6	29.8	22.9	18.4	13.5	9.81	8.04	5.90	4.65	3.36	2.67	2.27	1.94	1.52	1.24	0.655
1.67V/cell	46.2	30.7	23.4	18.8	13.7	9.97	8.16	5.97	4.70	3.40	2.69	2.29	1.96	1.53	1.25	0.660
1.60V/cell	49.0	32.0	24.2	19.3	14.1	10.2	8.35	6.10	4.79	3.46	2.74	2.32	1.98	1.56	1.27	0.668
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	71.2	49.5	39.1	32.2	24.0	17.7	14.7	10.9	8.65	6.31	5.04	4.30	3.69	2.91	2.39	1.27
1.80V/cell	75.8	52.1	40.8	33.3	24.6	18.2	15.0	11.1	8.78	6.40	5.11	4.36	3.74	2.95	2.42	1.29
1.75V/cell	79.0	53.8	41.8	34.1	25.2	18.5	15.3	11.3	8.92	6.49	5.17	4.41	3.78	2.98	2.44	1.30
1.70V/cell	81.9	55.6	43.0	34.9	25.7	18.8	15.5	11.4	9.03	6.57	5.23	4.46	3.82	3.01	2.46	1.31
1.67V/cell	84.1	56.8	43.9	35.5	26.1	19.1	15.7	11.5	9.11	6.63	5.27	4.49	3.85	3.03	2.48	1.32
1.60V/cell	87.5	58.5	45.1	36.4	26.6	19.4	16.0	11.7	9.26	6.73	5.35	4.55	3.90	3.07	2.51	1.34

LP SERIES-GENERAL PURPOSE

LP6-13 (6V13Ah)



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

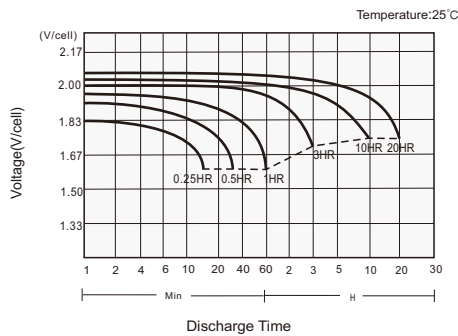
GENERAL FEATURES

- 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

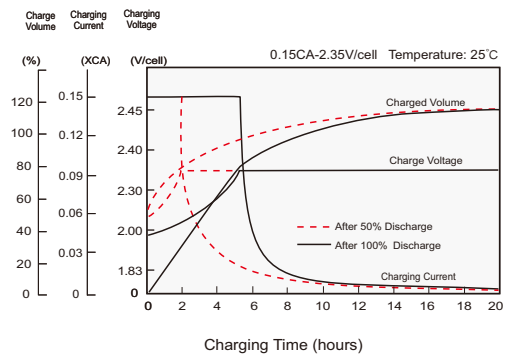
STANDARDS

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

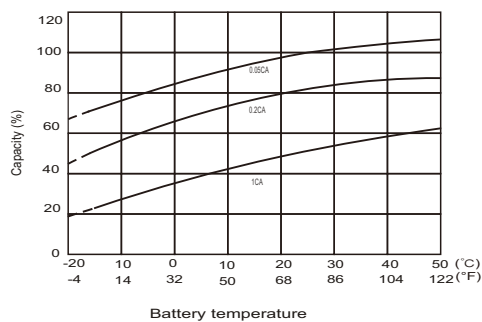
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

