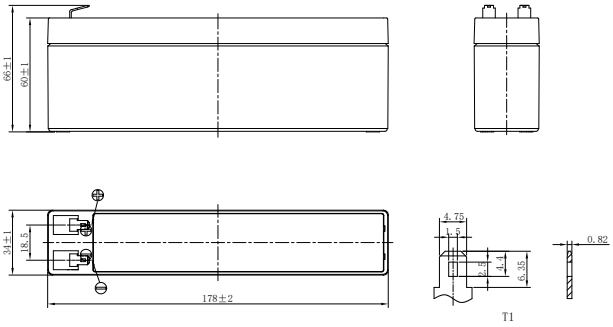
LP SERIES-GENERAL PURPOSE

LP12-2.6 (12V2.6Ah)

LEOCH BATTERY



CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Capacity (25˚C)	C_{20},1.75V/cell	2.6Ah
Dimension	Length	178mm (7.01inches)
	Width	34mm (1.34inches)
	Container Height	60mm (2.36inches)
	Total Height	66mm (2.60inches)
Approx Weight		0.91kg (2.01lbs)
Terminal		T1
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		72.8A
Internal Resistance (25˚C)		Approx 60 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. Coeffcient	-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	5.00	3.48	2.87	2.49	2.00	1.54	1.25	0.929	0.768	0.584	0.480	0.408	0.353	0.280	0.234	0.128
1.80V/cell	6.14	4.15	3.32	2.81	2.22	1.67	1.36	0.997	0.815	0.615	0.505	0.425	0.369	0.292	0.242	0.129
1.75V/cell	7.27	4.69	3.67	3.06	2.36	1.77	1.42	1.04	0.850	0.636	0.521	0.436	0.378	0.300	0.246	0.130
1.70V/cell	8.25	5.18	3.97	3.29	2.48	1.84	1.48	1.08	0.885	0.657	0.534	0.448	0.387	0.304	0.251	0.132
1.67V/cell	9.10	5.57	4.21	3.46	2.59	1.92	1.55	1.12	0.911	0.674	0.545	0.458	0.395	0.309	0.254	0.134
1.60V/cell	9.55	5.80	4.37	3.56	2.66	1.97	1.58	1.15	0.939	0.690	0.558	0.467	0.402	0.315	0.259	0.136

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	9.42	6.62	5.52	4.83	3.91	3.01	2.48	2.03	1.52	1.16	0.960	0.818	0.708	0.564	0.471	0.258
1.80V/cell	11.4	7.83	6.34	5.42	4.30	3.27	2.66	2.15	1.61	1.22	1.00	0.846	0.735	0.583	0.485	0.259
1.75V/cell	13.3	8.76	6.94	5.84	4.55	3.44	2.78	2.21	1.66	1.25	1.03	0.864	0.749	0.596	0.491	0.260
1.70V/cell	15.0	9.56	7.43	6.23	4.74	3.55	2.87	2.29	1.72	1.28	1.05	0.881	0.762	0.602	0.498	0.264
1.67V/cell	16.4	10.2	7.78	6.48	4.89	3.67	2.98	2.35	1.76	1.31	1.06	0.897	0.774	0.608	0.502	0.266
1.60V/cell	16.8	10.5	8.00	6.60	4.98	3.72	3.02	2.41	1.81	1.33	1.08	0.910	0.786	0.618	0.509	0.267

LP SERIES-GENERAL PURPOSE

LP12-2.6 (12V2.6Ah)

LEOCH BATTERY

APPLICATIONS

- All purpose
- 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

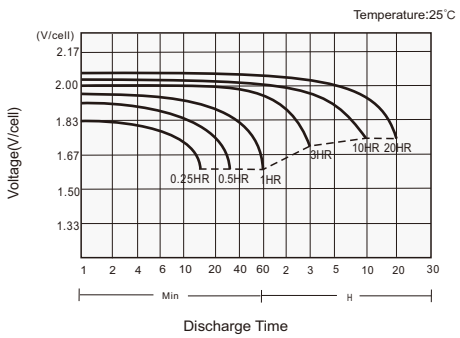
GENERAL FEATURES

- 5 years design life (25℃)
- 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

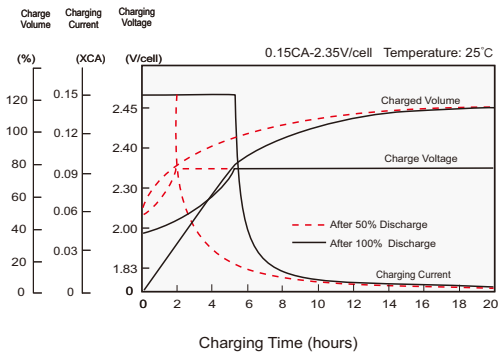
STANDARDS

- 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

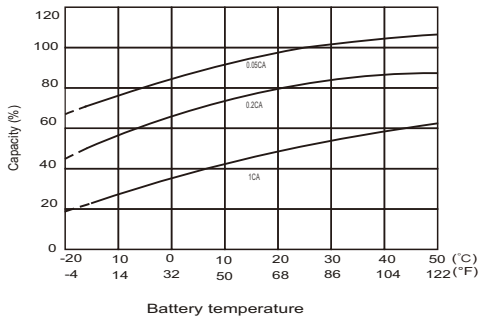
Discharge Characteristics



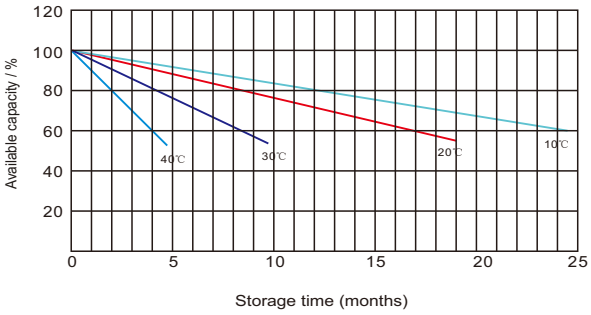
Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics



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