

77110

Specification

Nominal Voltage	6V	
Nominal Capacity(20HR)	4,5AH	
Dimension	Length	70 ± 1mm (2.76 inches)
	Width	47 ± 1mm (1.85 inches)
	Container Height	100 ± 2mm (3.94 inches)
	Total Height (with Terminal)	106 ± 2mm (4.17 inches)
Approx Weight	Approx 0.81 Kg (1,79lbs)	
Terminal	T1	
Container Material	ABS	
Rated Capacity	4,50 AH/0.225A	(20hr , 1.80V/cell, 25°C/77°F)
	4,19 AH/0.419A	(10hr, 1.80V/cell, 25°C/77°F)
	3,78 AH/0.756A	(5hr, 1.75V/cell, 25°C/77°F)
	3,30 AH/1.10A2	(3hr, 1.75V/cell, 25°C/77°F)
	2,73 AH/2,73A	(1hr, 1.60V/cell, 25°C/77°F)
Max. Discharge Current	67,5A (5s)	
Internal Resistance	Approx 25mΩ	
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 1,35A. Voltage 7,2V~7,5V at 25 °C (77°F) Temp. Coefficient -15mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 6,75V~6,9V at 25 °C(77 °F) Temp. Coefficient -10mV/ °C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Leoch LP 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

- ◆ All purpose
- ◆ Uninterruptable Power Supply (UPS)
- ◆ Electric Power System (EPS)
- ◆ Emergency backup power supply
- ◆ Emergency light
- ◆ Railway signal
- ◆ Aircraft signal
- ◆ Alarm and security system
- ◆ Electronic apparatus and equipment
- ◆ Communication power supply
- ◆ DC power supply
- ◆ Auto control system

Table (Normal edition)

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
1,85 V/cell	6,02	4,97	4,31	3,46	2,66	2,17	1,33	1,01	0,831	0,706	0,611	0,486	0,404	0,223
1,80 V/cell	7,19	5,76	4,87	3,83	2,90	2,34	1,41	1,06	0,874	0,736	0,638	0,504	0,419	0,225
1,75 V/cell	8,13	6,35	5,31	4,09	3,08	2,46	1,47	1,10	0,901	0,756	0,654	0,518	0,427	0,227
1,70 V/cell	8,96	6,88	5,70	4,29	3,20	2,57	1,53	1,14	0,924	0,775	0,670	0,525	0,434	0,231
1,65 V/cell	9,64	7,27	5,98	4,47	3,32	2,67	1,58	1,17	0,943	0,792	0,683	0,534	0,440	0,234
1,60 V/cell	10,0	7,58	6,17	4,60	3,40	2,73	1,63	1,19	0,966	0,808	0,696	0,545	0,447	0,236

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1,85 V/cell	11,5	9,55	8,35	6,74	5,21	4,28	2,63	2,01	1,66	1,41	1,23	0,977	0,815	0,450
1,80 V/cell	13,6	11,0	9,37	7,41	5,65	4,58	2,78	2,10	1,73	1,46	1,27	1,01	0,838	0,452
1,75 V/cell	15,2	12,0	10,1	7,86	5,96	4,80	2,88	2,16	1,78	1,49	1,30	1,03	0,849	0,453
1,70 V/cell	16,6	12,9	10,8	8,20	6,16	4,97	2,98	2,22	1,81	1,52	1,32	1,04	0,858	0,459
1,65 V/cell	17,6	13,4	11,2	8,48	6,36	5,15	3,05	2,27	1,84	1,55	1,34	1,05	0,866	0,463
1,60 V/cell	18,1	13,9	11,4	8,62	6,44	5,22	3,13	2,31	1,87	1,57	1,36	1,07	0,876	0,464