LPX SERIES-High Rate / UPS
LPX12-7.2 (12V7.2AH)

Specification

Nominal Voltage	12V	
Watts(15min Rate)	32.0 Watts at 1.67V/cell	
Dimension	Length	151±2mm (5.95 inches)
	Width	65±1mm (2.56 inches)
	Container Height	93.5±1mm (3.68 inches)
	Total Height (with Terminal)	99±1mm (3.90 inches)
Approx Weight	Approx 2.39 kg (5.26lbs)	
Terminal	T2	
Container Material	ABS	
Rated Capacity	7.49 AH/0.749A	(10hr ,1.80V/cell,25°C/77°F)
	7.36 AH/0.92A	(8hr,1.80V/cell,25°C/77°F)
	6.90 AH/1.38A	(5hr,1.75V/cell,25°C/77°F)
	6.12 AH/2.04A	(3hr,1.75V/cell,25°C/77°F)
	5.72 AH/5.72A	(1hr,1.60V/cell,25°C/77°F)
Max. Discharge Current	108A (5s)	
Internal Resistance	Approx 18mÙ	
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 2.16A.Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
Standby Use	No limit on Initial Charging Current Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	Leoch LPX 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

- *UPS (High rate)*
- *High power backup supply*
- *Emergency power supply*
- *Starting system*
- *Power tools*
- *Emergency lighting*
- *Electric starting*

VdS | Intertek ETL SEMKO MH26866 | ISO14001 | ISO9001 | CE RTS EMC tested

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

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	29.39	19.40	14.93	11.94	8.79	6.39	5.17	2.84	1.98	1.57	1.34	1.15	0.90	0.739	0.391
1.80V/cell	31.61	20.57	15.67	12.42	9.06	6.56	5.30	2.89	2.01	1.60	1.36	1.17	0.92	0.749	0.396
1.75V/cell	33.30	21.39	16.19	12.77	9.30	6.70	5.41	2.95	2.04	1.62	1.38	1.18	0.93	0.757	0.400
1.70V/cell	34.87	22.25	16.73	13.14	9.54	6.85	5.51	2.99	2.07	1.64	1.40	1.19	0.94	0.764	0.403
1.67V/cell	36.08	22.87	17.14	13.41	9.70	6.96	5.59	3.02	2.09	1.66	1.41	1.20	0.94	0.770	0.406
1.60V/cell	38.27	23.84	17.73	13.81	9.97	7.14	5.72	3.08	2.13	1.69	1.43	1.22	0.96	0.780	0.411

Constant Power Discharge (Watt/cell) at 25 C° (77 F°)

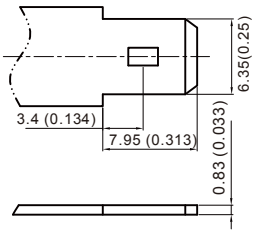
F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	55.60	36.93	28.59	23.01	16.99	12.40	10.06	5.56	3.88	3.10	2.65	2.27	1.79	1.469	0.782
1.80V/cell	59.21	38.87	29.82	23.80	17.44	12.68	10.28	5.65	3.94	3.14	2.68	2.30	1.82	1.488	0.791
1.75V/cell	61.71	40.14	30.62	24.32	17.81	12.91	10.45	5.74	3.99	3.18	2.71	2.33	1.84	1.501	0.800
1.70V/cell	63.99	41.46	31.45	24.89	18.18	13.15	10.61	5.81	4.04	3.22	2.74	2.35	1.85	1.516	0.807
1.67V/cell	65.66	42.39	32.00	25.35	18.46	13.32	10.75	5.86	4.08	3.24	2.76	2.37	1.87	1.526	0.813
1.60V/cell	68.32	43.63	33.01	25.98	18.87	13.57	10.94	5.96	4.14	3.29	2.80	2.40	1.89	1.544	0.822

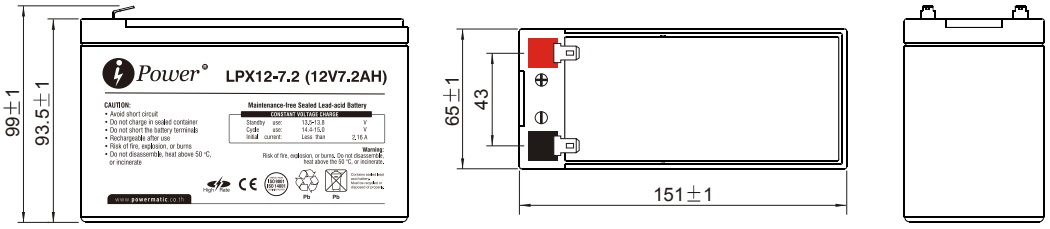
Specifications subject to change without notice.

Dimensions

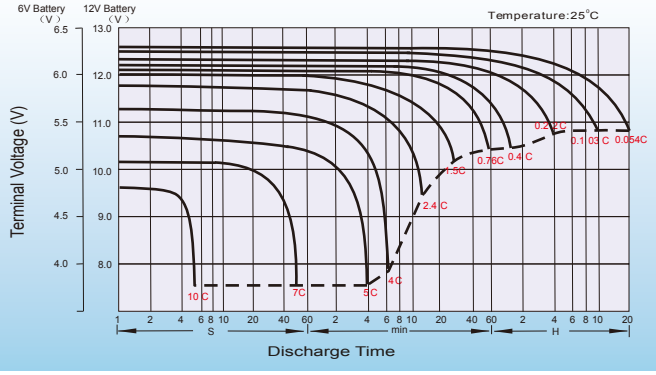
T2 Terminal

Unit: mm [inches]

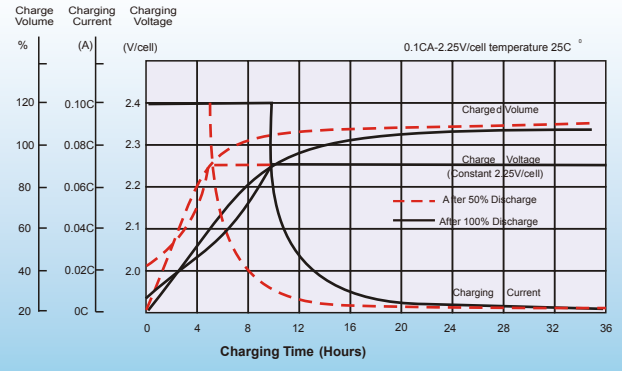




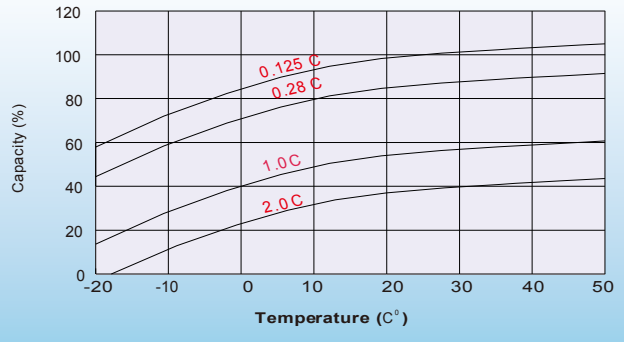
Discharge Characteristics



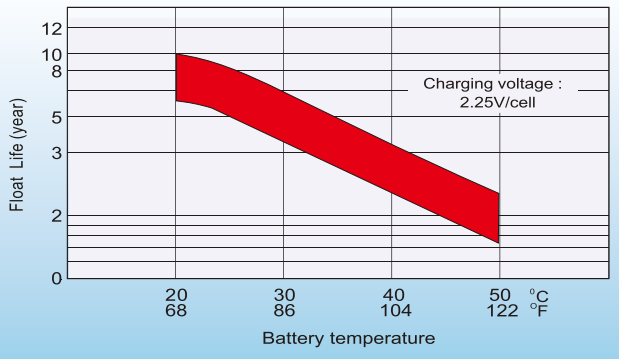
Float Charging Characteristics

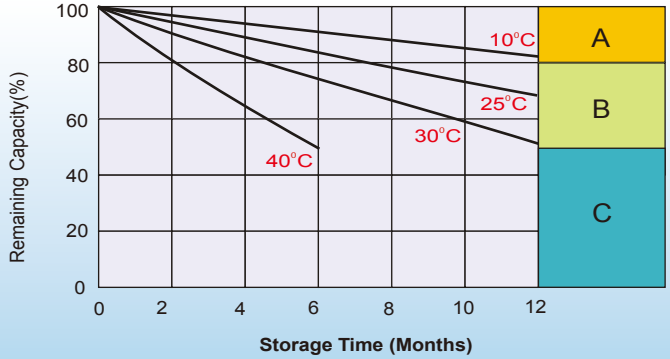


Temperature Effects in Relation to Battery Capacity



Effect of Temperature on Long Term Float Life





Self Discharge Characteristics

A No supplementary charge required
(Carry out supplementary charge before use if 100% capacity is required.)

B Supplementary charge required before use.Optional charging way as below:
1.Charged for above 3 days at limt ed current 0.25CA and constant volatge 2.25V/cell.
2.Charged for above 20hours at limted cu rrent 0.25CA and constant volatge 2.45V/cell.
3.Charged for 8~10 hours at limted current 0.05CA .

C Supplementary charge may often fail to recover t he capacity.
The battery should never be left standing till this is rea ched.