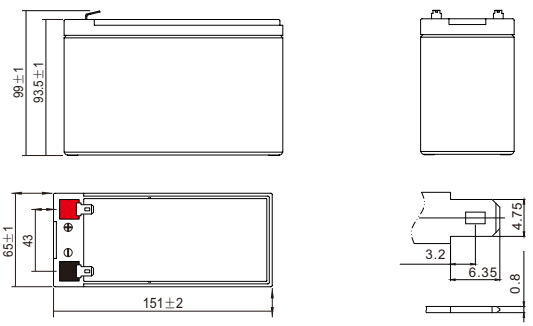
LEOCH
理士电池®
LEOCH BATTERY

DJW12-7.0EL



Applications

- Network connection equipment of communication system
- Power system of special network or local area network
- UPS, standby power supply Power station systems
- Railway and marine systems



Specification

Nominal Voltage		12V
Nominal Capacity(20HR)		7.0 Ah
Dimension	Length Width Container Height Total Height (with Terminal)	151mm (5.94 in.) 65mm (2.56 in.) 93.5mm (3.68 in.) 99mm (3.90 in.)
Approx Weight		2.18 Kg (4.8 lbs)
Terminal		250(T2)
Container Material		ABS
Rated Capacity (25°C)	C20(0.350A,1.75V/cell) C5(1.26A,1.75V/cell) C3(2.01A,1.75V/cell) C1(5.10A,1.67V/cell)	7.00 Ah 6.30 Ah 6.03 Ah 5.1 Ah
Max. Discharge Current		105A (5s)
Internal Resistance		≤26.0mΩ
Operating Temp.Range	Discharge Charge Storage	-20°C~50°C (-4°F~122°F) -5°C~45°C (23°F~113°F) -20°C~45°C (-4°F~113°F)
Nominal Operating Temp. Range		25°C±3°C (77°F±5°F)
Standby Use (25°C)	Charging Current Charging Voltage Temp. Coefficient	≤1.95 A 13.5V~13.8V -3mV/cell/°C
Capacity affected by Temperature	40°C (104°F) 25°C (77°F) 0°C (32°F)	106% 100% 86%
Self Discharge		≤2% per month at 20°C

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

F.V/Time	5min	10min	15min	20min	30min	45min	60min	90min	120min	180min	240min	300min	360min	480min	600min	1200min
1.85V/cell	24.8	16.0	12.0	10.1	8.20	5.87	4.84	2.89	2.22	1.71	1.38	1.14	0.99	0.79	0.64	0.35
1.80V/cell	26.5	17.0	13.5	10.6	8.30	6.21	4.90	3.16	2.43	1.95	1.48	1.23	1.06	0.84	0.71	0.35
1.75V/cell	28.3	17.5	13.8	11.0	8.40	6.42	4.97	3.27	2.51	2.01	1.52	1.26	1.08	0.85	0.69	0.37
1.70V/cell	30.0	18.0	14.0	11.3	8.40	6.59	5.05	3.38	2.60	2.02	1.56	1.30	1.11	0.86	0.70	0.38
1.67V/cell	31.8	18.5	14.2	11.7	8.60	6.75	5.10	3.44	2.66	2.03	1.59	1.31	1.12	0.87	0.70	0.38
1.60V/cell	33.5	19.0	14.5	12.0	8.60	6.94	5.15	3.59	2.78	2.05	1.65	1.37	1.17	0.89	0.72	0.39

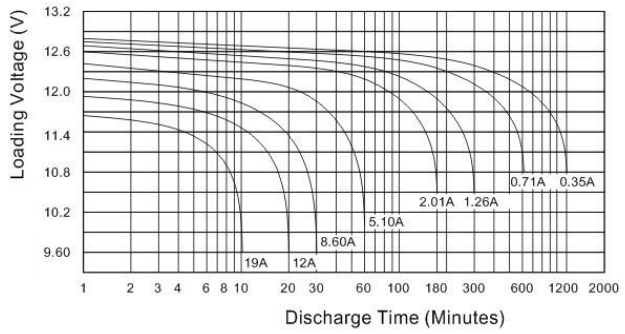
Constant Power Discharge (Watts/cell) at 25 °C (77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	60min	90min	120min	180min	240min	300min	360min	480min	600min	1200min
1.85V/cell	45.0	31.0	24.4	19.6	16.1	11.2	9.67	6.80	4.70	3.66	2.56	2.15	1.85	1.48	1.30	0.66
1.80V/cell	48.0	32.5	25.8	20.4	16.3	11.6	9.80	7.00	5.00	3.68	2.74	2.29	1.98	1.57	1.33	0.69
1.75V/cell	50.7	33.5	26.1	20.9	16.4	12.1	10.0	7.12	5.24	3.70	2.81	2.35	2.01	1.60	1.35	0.70
1.70V/cell	53.5	34.7	26.5	21.4	16.6	12.5	10.1	7.30	5.50	3.72	2.88	2.40	2.06	1.61	1.37	0.71
1.67V/cell	56.3	35.7	26.9	22.0	16.8	13.0	10.3	7.50	5.77	3.73	2.92	2.43	2.08	1.63	1.38	0.71
1.60V/cell	59.0	36.0	27.2	22.6	17.0	13.4	10.4	7.65	6.00	3.75	3.02	2.51	2.14	1.65	1.40	0.72

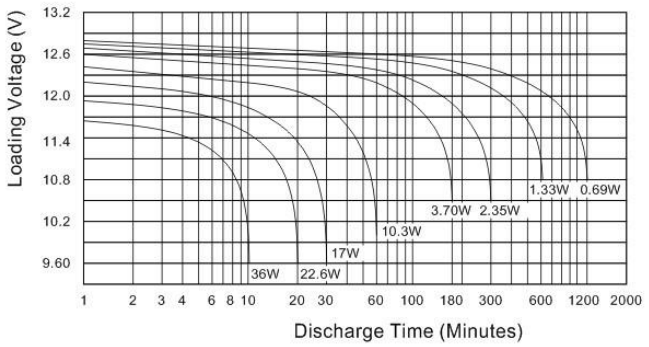
Specifications subject to change without notice.

ISO9001 ISO14001 MH26866 Intertek ETL SEMKO CE EMC tested

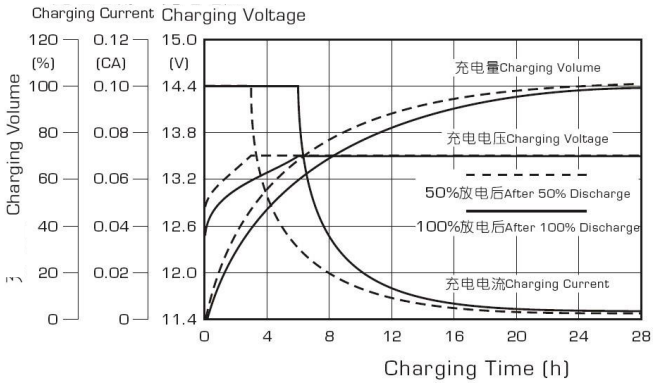
Constant current discharge curve



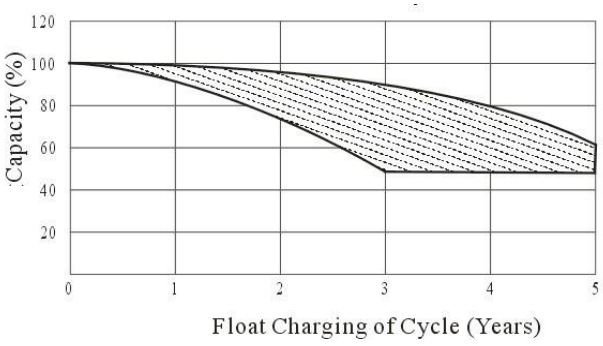
Constant power discharge curve



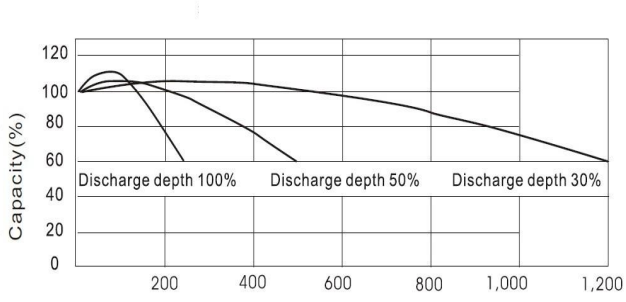
Curve of Battery Floating Charge



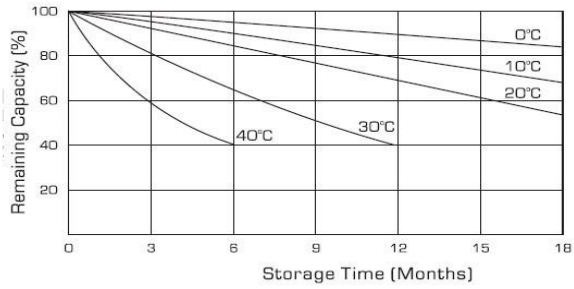
Curve of Floating & Cycle Service Life



Cycle Life in Relation to Depth of Discharge



Self discharging curves



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