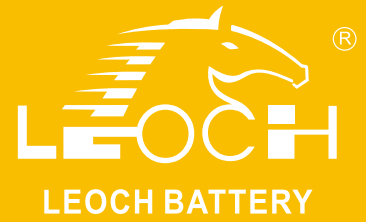




DJW Series-General Purpose DJW12-9.0(12V9.0Ah)

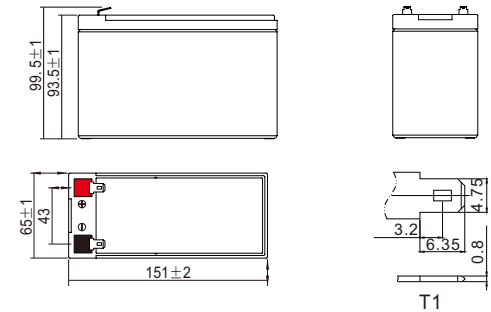


Specifications

Rated Voltage	12V	
Nominal Capacity	9.0Ah	(3C≥7min, 1.60V/cell)
Dimension	Length	151±2mm (5.95 inches)
	Width	65±1mm (2.56 inches)
	Container Height	93.5±1mm (3.68 inches)
	Total Height	99.5±1mm (3.92 inches)
Approx Weight	2.50 Kg (5.51 lbs)	
Terminal	T1/T2	
Container Material	ABS	
Rated Capacity (25°C)	8.00 Ah	(20hr, 0.400A, 1.80V/cell)
	7.47 Ah	(10hr, 0.747A, 1.80V/cell)
	8.65 Ah	(5hr, 1.33A, 1.75V/cell)
	5.70 Ah	(3hr, 1.90A, 1.75V/cell)
	4.86 Ah	(1hr, 4.86A, 1.60V/cell)
Max. Discharge Current	135A (5s)	
Internal Resistance (25°C)	Approx 20mΩ	
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 2.7A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Initial Charging Current less than 2.7A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Standby Use	Initial Charging Current less than 2.7A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	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.	



Layout



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

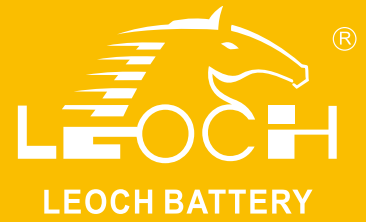
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	18.3	13.3	11.40	9.67	7.06	5.16	4.12	3.08	2.44	1.82	1.48	1.26	1.09	0.864	0.716	0.393
1.80V/cell	22.0	15.6	12.9	10.5	7.61	5.48	4.37	3.23	2.56	1.90	1.55	1.30	1.13	0.895	0.747	0.400
1.75V/cell	24.5	17.1	13.8	11.1	7.90	5.71	4.54	3.35	2.65	1.95	1.58	1.33	1.15	0.909	0.758	0.409
1.70V/cell	26.8	18.2	14.6	11.6	8.21	5.86	4.63	3.40	2.70	1.99	1.61	1.35	1.17	0.928	0.768	0.413
1.67V/cell	29.1	19.2	15.3	12.1	8.50	6.04	4.76	3.49	2.75	2.03	1.64	1.38	1.19	0.940	0.777	0.417
1.60V/cell	30.6	20.2	15.8	12.5	8.74	6.20	4.86	3.55	2.82	2.07	1.67	1.41	1.22	0.956	0.788	0.425

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	34.6	25.5	21.9	18.8	13.8	10.1	8.10	6.05	4.83	3.63	2.95	2.51	2.18	1.739	1.440	0.793
1.80V/cell	41.1	29.5	24.5	20.3	14.7	10.7	8.60	6.35	5.06	3.77	3.08	2.59	2.26	1.792	1.493	0.805
1.75V/cell	45.5	32.0	26.0	21.2	15.3	11.1	8.91	6.56	5.19	3.85	3.13	2.65	2.29	1.813	1.515	0.818
1.70V/cell	48.9	33.7	27.4	22.1	15.7	11.3	9.00	6.61	5.27	3.90	3.17	2.68	2.31	1.835	1.525	0.820
1.67V/cell	52.3	35.1	28.3	22.7	16.1	11.5	9.16	6.71	5.31	3.94	3.20	2.70	2.34	1.845	1.525	0.822
1.60V/cell	53.7	35.9	28.7	23.0	16.3	11.7	9.29	6.78	5.40	4.00	3.23	2.73	2.37	1.867	1.547	0.832



DJW Series-General Purpose DJW12-9.0(12V9.0Ah)



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

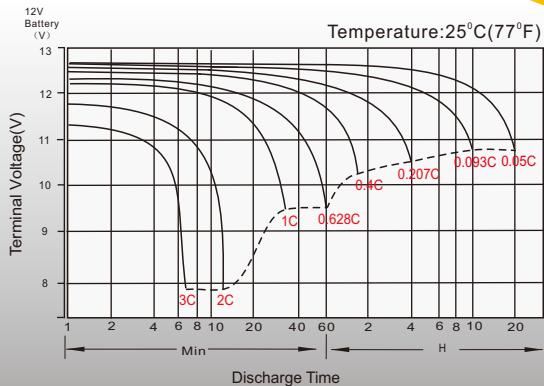
General Features

- 5 years design life(25°C)
- Special exhaust structure and sealing technology, safe and reliable, flexible installation, convenient maintenance
- PbCaSn alloy for plate grids: less gassing, less self-discharging
- High quality AGM separator: extend cycle life and prevent micro short circuit
- High purity raw material: ensure low self discharge rate

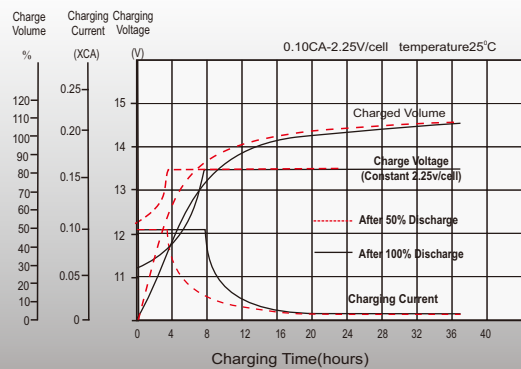
Standards

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Certified
- Manufactured in Leoch®IATF 16949, OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

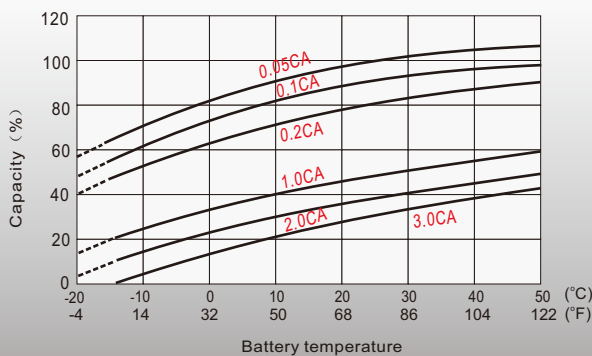
Discharge Characteristics



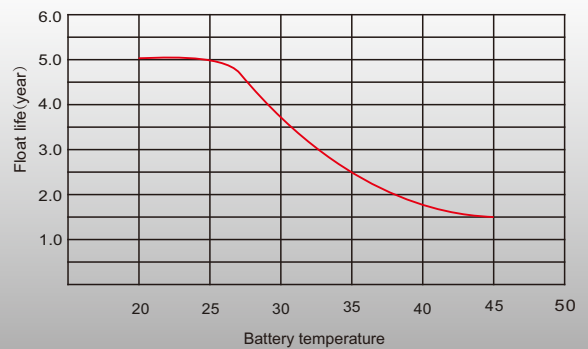
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life



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