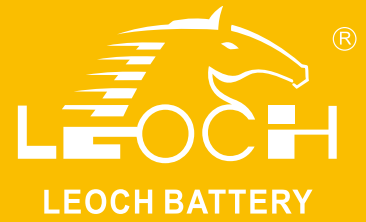




DJW Series-General Purpose DJW12-28(12V28Ah)

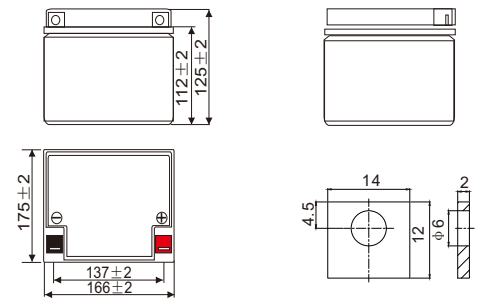


Specifications

Rated Voltage	12V	
Nominal Capacity	28.0Ah	(C ₂₀ , 1.80V/cell)
Dimension	Length	166±2mm (6.54 inches)
	Width	175±2mm (6.93 inches)
	Container Height	125±2mm (4.92 inches)
	Total Height	125±2mm (4.92 inches)
Approx Weight	8.4 Kg (18.6 lbs)	
Terminal	M5	
Container Material	ABS	
Rated Capacity (25°C)	28.0 Ah	(20hr, 1.40A, 1.80V/cell)
	26.0 Ah	(10hr, 2.60A, 1.80V/cell)
	23.5 Ah	(5hr, 4.70A, 1.75V/cell)
	20.6 Ah	(3hr, 6.85A, 1.75V/cell)
	17.0 Ah	(1hr, 17.0A, 1.60V/cell)
Max. Discharge Current	420A (5s)	
Internal Resistance (25°C)	Approx 14mΩ	
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 8.4A. Voltage 14.4V~15.0V at 25°C(77°F)Temp. Coefficient -30mV/°C	
	Initial Charging Current less than 8.4A. Voltage 13.5V~13.8V at 25°C(77°F)Temp. Coefficient -20mV/°C	
Standby Use	Initial Charging Current less than 8.4A. 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	DJW 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)

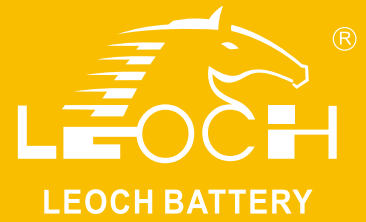
F.V/Time	5min	10min	15min	20min	30min	45min	1h	1.5h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	53.8	37.5	30.9	26.7	21.5	16.5	13.5	10.1	8.26	6.29	5.18	4.40	3.81	3.02	2.52	1.39
1.80V/cell	66.1	44.7	35.8	30.4	23.8	18.0	14.6	10.8	8.78	6.62	5.45	4.58	3.98	3.14	2.60	1.40
1.75V/cell	78.3	50.5	39.5	33.0	25.5	19.2	15.3	11.3	9.16	6.85	5.61	4.70	4.07	3.22	2.66	1.41
1.70V/cell	88.9	55.7	42.8	35.4	26.7	19.9	16.0	11.7	9.53	7.07	5.75	4.82	4.17	3.28	2.70	1.44
1.67V/cell	98.0	59.9	45.2	37.2	27.9	20.7	16.6	12.2	9.81	7.25	5.87	4.93	4.24	3.32	2.73	1.46
1.60V/cell	102.8	62.4	47.2	38.4	28.6	21.1	17.0	12.4	10.1	7.43	6.02	5.03	4.33	3.39	2.79	1.47

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	101.4	71.4	59.5	51.9	42.0	32.5	26.6	19.9	16.4	12.5	10.3	8.79	7.63	6.08	5.07	2.80
1.80V/cell	123.2	84.3	68.3	58.2	46.1	35.1	28.6	21.2	17.3	13.1	10.8	9.10	7.91	6.27	5.22	2.81
1.75V/cell	144.2	94.4	74.6	63.0	48.9	37.1	29.8	22.1	17.9	13.5	11.0	9.30	8.06	6.40	5.28	2.83
1.70V/cell	161.8	103.0	80.1	67.1	51.1	38.4	30.9	22.9	18.6	13.8	11.3	9.48	8.20	6.45	5.35	2.86
1.67V/cell	176.0	109.3	83.7	69.7	52.8	39.6	32.1	23.7	19.0	14.1	11.4	9.65	8.33	6.52	5.39	2.88
1.60V/cell	181.9	112.6	86.2	71.1	53.6	40.0	32.5	23.9	19.4	14.3	11.6	9.77	8.46	6.64	5.45	2.89



DJW Series-General Purpose DJW12-28(12V28Ah)



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

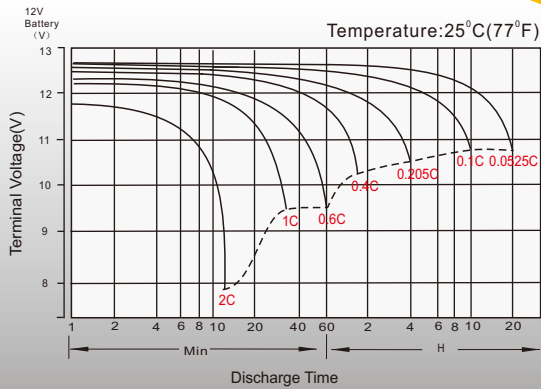
General Features

- 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

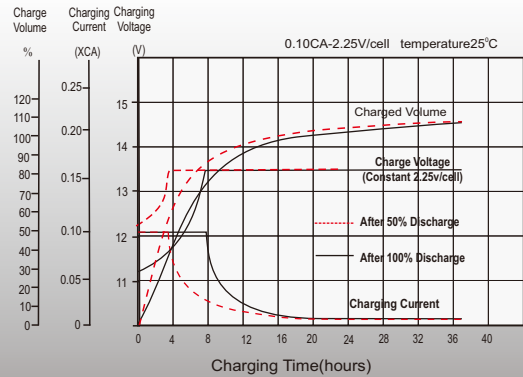
Standards

- 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

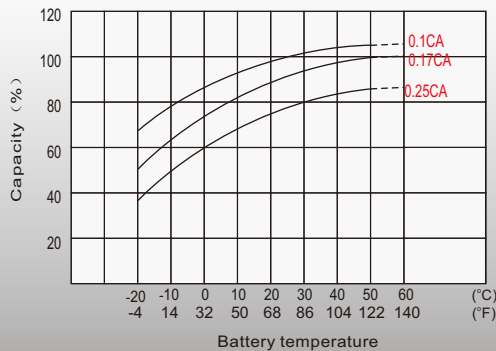
Discharge Characteristics



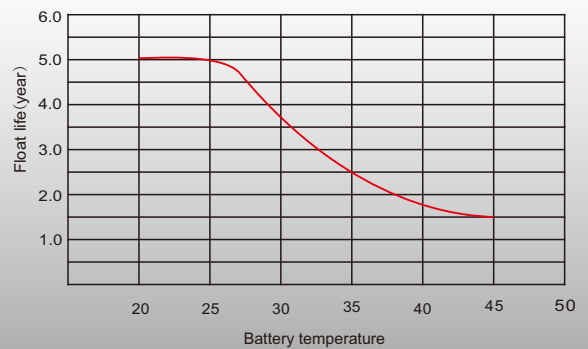
Float Charging Characteristics



Temperature Effects in Relation to Battery Capacity



Float Service Life



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