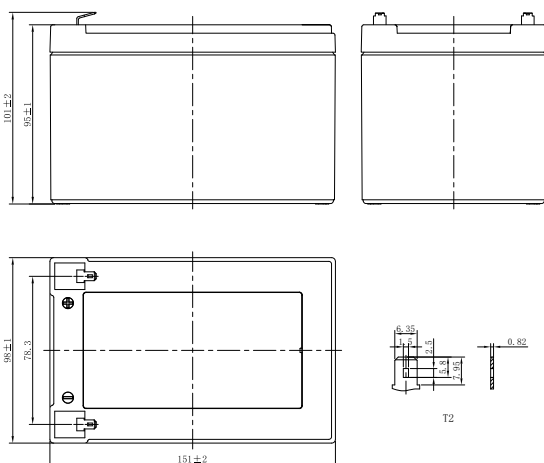


DJW SERIES-GENERAL PURPOSE

DJW12-12 (12V12Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ : 1.75V/cell	12Ah
Dimension	Length	151mm (5.94inches)
	Width	98mm (3.86inches)
	Container Height	95mm (3.74inches)
	Total Height	101mm (3.98inches)
Approx Weight	4.05kg (8.93lbs)	
Terminal	T2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	336A	
Internal Resistance (25°C)	Approx 14 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-15~50°C (5~122°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-15~40°C (5~104°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max. Charging Current (25°C)	0.3C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.25-2.30V/cell	2.35-2.45V/cell
Temp. Coefficient	-3mV/cell/°C	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
	≤3% per month at 25°C (77°F). DJW series batteries may be stored 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.	
Self Discharge		

DISCHARGE TABLE

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	46.0	31.6	24.4	19.6	14.2	10.1	8.03	5.79	4.48	3.19	2.50	2.09	1.76	1.37	1.11	0.587
1.80V/cell	49.5	33.4	25.6	20.3	14.6	10.4	8.22	5.91	4.57	3.24	2.54	2.12	1.79	1.39	1.12	0.593
1.75V/cell	52.1	34.8	26.4	20.9	15.0	10.6	8.39	6.02	4.65	3.29	2.57	2.15	1.81	1.40	1.13	0.600
1.70V/cell	54.6	36.2	27.3	21.5	15.4	10.8	8.55	6.13	4.72	3.34	2.61	2.18	1.83	1.42	1.15	0.605
1.67V/cell	56.5	37.2	28.0	22.0	15.7	11.0	8.68	6.20	4.77	3.37	2.63	2.20	1.85	1.43	1.15	0.610
1.60V/cell	59.9	38.8	29.0	22.6	16.1	11.3	8.87	6.34	4.87	3.43	2.68	2.24	1.88	1.45	1.17	0.616
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	87.1	60.1	46.7	37.7	27.5	19.6	15.6	11.3	8.78	6.26	4.93	4.14	3.49	2.71	2.20	1.17
1.80V/cell	92.7	63.2	48.7	39.0	28.2	20.0	15.9	11.5	8.92	6.35	4.99	4.19	3.54	2.75	2.23	1.19
1.75V/cell	96.6	65.3	50.0	39.9	28.8	20.4	16.2	11.7	9.06	6.44	5.05	4.24	3.58	2.78	2.25	1.20
1.70V/cell	100.2	67.4	51.4	40.8	29.4	20.8	16.5	11.9	9.17	6.52	5.11	4.29	3.61	2.80	2.27	1.21
1.67V/cell	102.8	68.9	52.5	41.5	29.8	21.0	16.7	12.0	9.25	6.58	5.15	4.32	3.64	2.82	2.29	1.22
1.60V/cell	107.0	71.0	53.9	42.6	30.5	21.4	17.0	12.2	9.41	6.68	5.23	4.38	3.69	2.86	2.32	1.23

DJW SERIES-GENERAL PURPOSE

DJW12-12 (12V12Ah)



APPLICATIONS

- 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

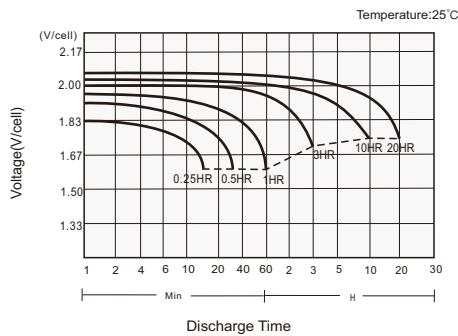
GENERAL FEATURES

- 5 years design life (25°C)
- Lead calcium alloy, sealed design, no watering required
- Puncture resistant micro-porous glass mat separators extend life
- Unique technology optimizes power capacity, cell consistency, and long-term reliability
- Designed for a wide range of applications

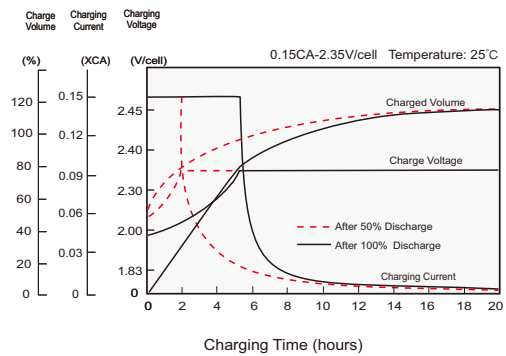
STANDARDS

- Compliance with IEC 60896 standards, EU Battery Directive
- UL, CE Approved
- Manufactured in Leoch@IATF 16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

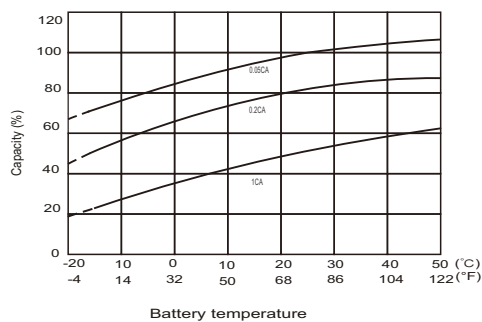
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

