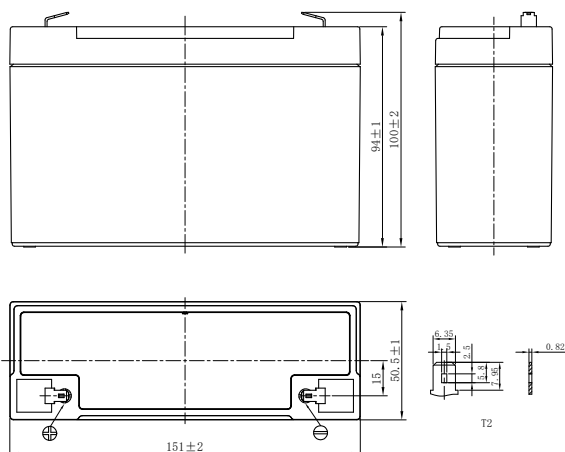


DJW SERIES

DJW6-12 (6V12Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	6V	
Nominal Capacity (25°C)	C ₂₀ : 1.75V/cell	12Ah
Dimension	Length	151mm (5.94inches)
	Width	50.5mm (1.99inches)
	Container Height	94mm (3.70inches)
	Total Height	100mm (3.94inches)
Approx Weight	1.90kg (4.19lbs)	
Terminal	T2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	336A	
Internal Resistance (25°C)	Approx 10 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	
Effect of temp. to Capacity	40°C (104°F)	103%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤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.	

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	37.9	26.0	20.2	16.5	11.9	8.74	7.14	5.23	4.11	2.97	2.37	2.01	1.72	1.35	1.11	0.586
1.80V/cell	40.7	27.5	21.2	17.1	12.3	8.91	7.31	5.34	4.18	3.02	2.40	2.04	1.75	1.37	1.12	0.593
1.75V/cell	42.9	28.6	21.9	17.6	12.6	9.17	7.46	5.43	4.26	3.06	2.43	2.07	1.77	1.39	1.13	0.600
1.70V/cell	44.9	29.7	22.6	18.1	12.9	9.34	7.59	5.53	4.32	3.10	2.46	2.09	1.79	1.41	1.15	0.605
1.67V/cell	46.5	30.6	23.1	18.4	13.1	9.51	7.71	5.60	4.37	3.14	2.49	2.11	1.81	1.41	1.16	0.609
1.60V/cell	49.3	31.9	24.0	19.0	13.5	9.77	7.89	5.72	4.46	3.20	2.53	2.14	1.83	1.44	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	71.6	49.4	38.7	31.6	23.1	16.9	13.9	10.2	8.04	5.83	4.65	3.97	3.40	2.69	2.20	1.17
1.80V/cell	76.3	52.0	40.4	32.7	23.7	17.3	14.1	10.4	8.17	5.91	4.71	4.02	3.45	2.73	2.23	1.18
1.75V/cell	79.5	53.7	41.4	33.4	24.2	17.6	14.4	10.5	8.30	5.99	4.77	4.06	3.49	2.75	2.25	1.20
1.70V/cell	82.4	55.5	42.5	34.2	24.7	17.9	14.7	10.7	8.40	6.07	4.83	4.11	3.52	2.78	2.27	1.21
1.67V/cell	84.6	56.7	43.5	34.9	25.0	18.2	14.8	10.8	8.48	6.12	4.87	4.15	3.56	2.80	2.29	1.22
1.60V/cell	88.0	58.4	44.7	35.7	25.5	18.5	15.1	11.0	8.66	6.21	4.94	4.20	3.60	2.84	2.31	1.23

DJW SERIES

DJW6-12 (6V12Ah)



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

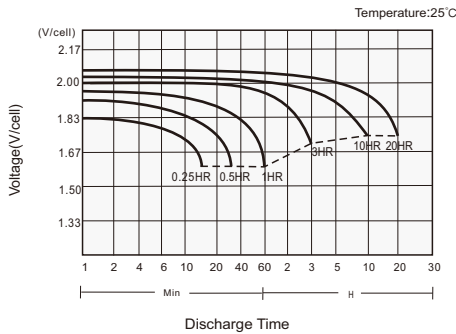
GENERAL FEATURES

- 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

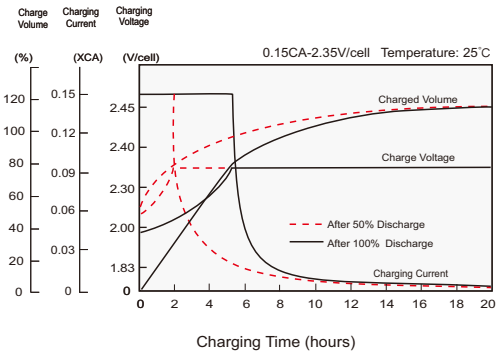
STANDARDS

- 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

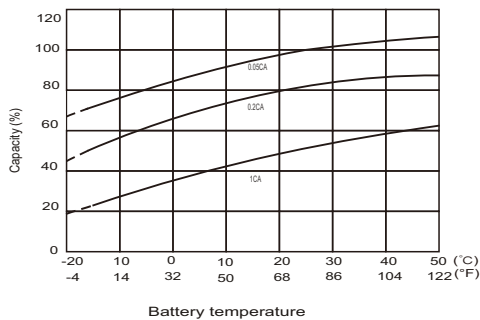
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

