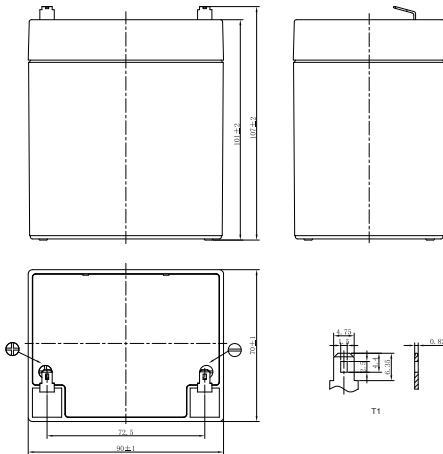


DJW SERIES

DJW12-5.4 (12V5.4Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ : 1.75V/cell	5.4Ah
Dimension	Length	90mm (3.54inches)
	Width	70mm (2.76inches)
	Container Height	101mm (3.98inches)
	Total Height	107mm (4.21inches)
Approx Weight	1.68kg (3.70lbs)	
Terminal	T1/T2	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	151.2A	
Internal Resistance (25°C)	Approx 31 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	19.0	12.6	9.56	7.88	5.67	4.05	3.25	2.36	1.85	1.34	1.06	0.904	0.775	0.611	0.499	0.264
1.80V/cell	20.5	13.3	10.0	8.20	5.85	4.16	3.33	2.41	1.89	1.35	1.08	0.918	0.786	0.620	0.506	0.267
1.75V/cell	21.6	13.8	10.4	8.42	6.00	4.25	3.40	2.44	1.91	1.37	1.09	0.930	0.796	0.625	0.511	0.270
1.70V/cell	22.7	14.4	10.7	8.67	6.16	4.35	3.46	2.48	1.94	1.39	1.11	0.943	0.805	0.632	0.516	0.272
1.67V/cell	23.5	14.8	11.0	8.85	6.26	4.42	3.51	2.52	1.96	1.41	1.12	0.950	0.813	0.637	0.519	0.274
1.60V/cell	24.8	15.4	11.4	9.11	6.43	4.53	3.58	2.57	2.00	1.43	1.14	0.965	0.824	0.646	0.526	0.277

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	36.1	23.9	18.3	15.2	11.0	7.86	6.31	4.59	3.62	2.62	2.09	1.79	1.53	1.21	0.992	0.528
1.80V/cell	38.6	25.2	19.1	15.7	11.3	8.05	6.45	4.67	3.68	2.66	2.12	1.81	1.55	1.23	1.00	0.534
1.75V/cell	40.4	26.0	19.6	16.1	11.5	8.20	6.56	4.74	3.73	2.70	2.15	1.83	1.57	1.24	1.01	0.540
1.70V/cell	41.9	26.9	20.1	16.4	11.8	8.35	6.66	4.82	3.78	2.73	2.17	1.86	1.59	1.25	1.02	0.544
1.67V/cell	43.2	27.6	20.6	16.7	11.9	8.46	6.75	4.87	3.81	2.75	2.19	1.87	1.60	1.26	1.03	0.549
1.60V/cell	45.5	28.6	21.2	17.2	12.2	8.62	6.86	4.95	3.88	2.80	2.22	1.89	1.62	1.28	1.04	0.555

DJW SERIES

DJW12-5.4 (12V5.4Ah)



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

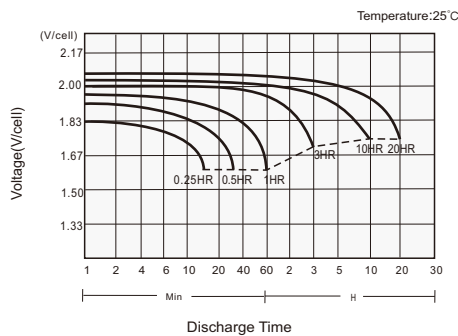
GENERAL FEATURES

- 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

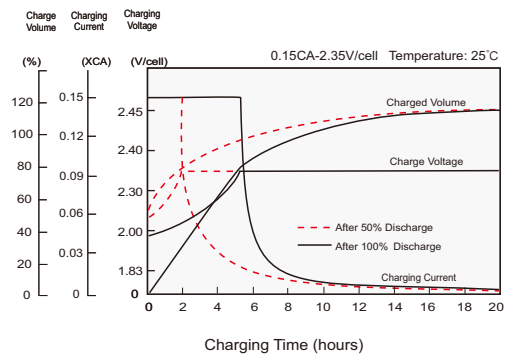
STANDARDS

- 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

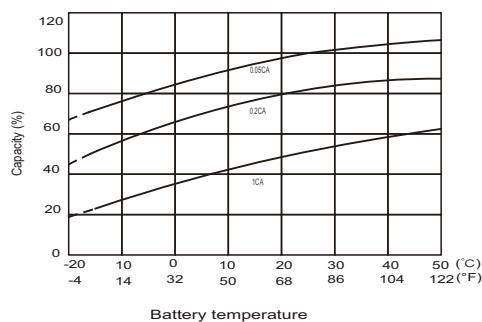
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

