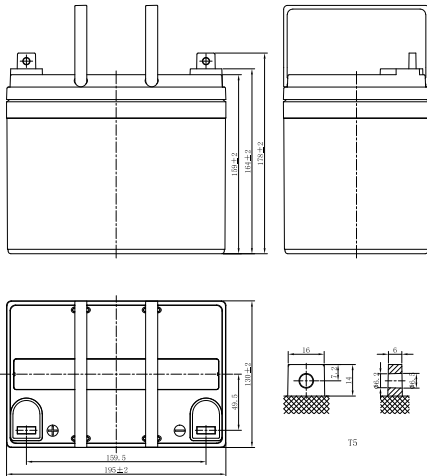


DJW SERIES

DJW12-33 (12V33Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	12V	
Nominal Capacity (25°C)	C ₂₀ : 1.75V/cell	33Ah
Dimension	Length	195mm (7.68inches)
	Width	130mm (5.12inches)
	Container Height	164mm (6.46inches)
	Total Height	178mm (7.01inches)
Approx Weight	10.7kg (23.6lbs)	
Terminal	T5	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	825A	
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	107.9	74.0	56.9	46.0	33.9	24.8	20.3	14.8	11.6	8.24	6.50	5.53	4.73	3.73	3.05	1.61
1.80V/cell	116.1	78.4	59.8	47.9	35.0	25.5	20.8	15.1	11.8	8.38	6.59	5.61	4.81	3.78	3.09	1.63
1.75V/cell	122.3	81.6	61.8	49.2	35.8	26.0	21.2	15.4	12.0	8.51	6.68	5.68	4.87	3.83	3.12	1.65
1.70V/cell	128.0	84.9	63.8	50.6	36.8	26.6	21.6	15.7	12.2	8.64	6.77	5.76	4.92	3.87	3.15	1.66
1.67V/cell	132.5	87.2	65.3	51.7	37.4	27.0	22.0	15.8	12.3	8.72	6.84	5.81	4.97	3.89	3.18	1.68
1.60V/cell	140.5	90.9	67.6	53.3	38.5	27.7	22.4	16.2	12.5	8.88	6.96	5.90	5.03	3.95	3.22	1.70
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	204.1	140.8	109.0	88.7	65.5	48.1	39.5	28.9	22.6	16.2	12.8	10.9	9.36	7.39	6.06	3.22
1.80V/cell	217.4	148.2	113.7	91.7	67.2	49.2	40.4	29.4	23.0	16.4	12.9	11.0	9.52	7.50	6.14	3.26
1.75V/cell	226.6	153.0	116.7	93.8	68.7	50.1	41.0	29.8	23.4	16.7	13.1	11.2	9.62	7.57	6.19	3.30
1.70V/cell	235.0	158.1	119.9	96.0	70.1	51.0	41.6	30.3	23.7	16.9	13.3	11.3	9.71	7.64	6.25	3.33
1.67V/cell	241.1	161.6	122.6	97.8	71.2	51.7	42.1	30.5	23.9	17.0	13.4	11.4	9.81	7.69	6.30	3.36
1.60V/cell	250.8	166.3	125.9	100.2	72.8	52.6	42.9	31.1	24.2	17.3	13.6	11.6	9.90	7.80	6.36	3.38

DJW SERIES

DJW12-33 (12V33Ah)



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

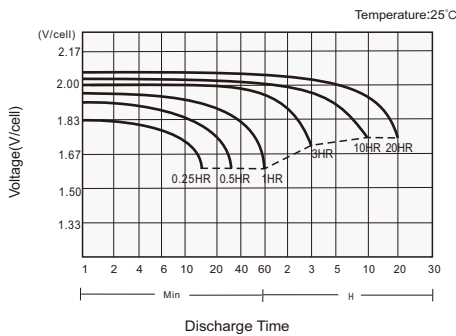
GENERAL FEATURES

- 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

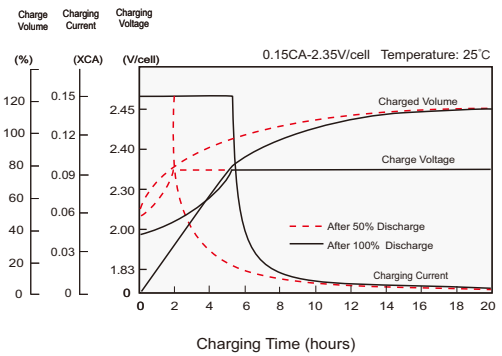
STANDARDS

- 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

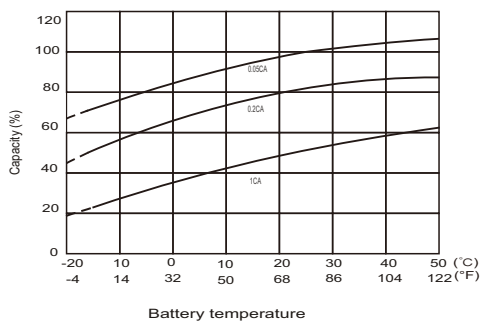
Discharge Characteristics



Charging Characteristics



Effects of Temperature on Capacity



Self Discharge Characteristics

