



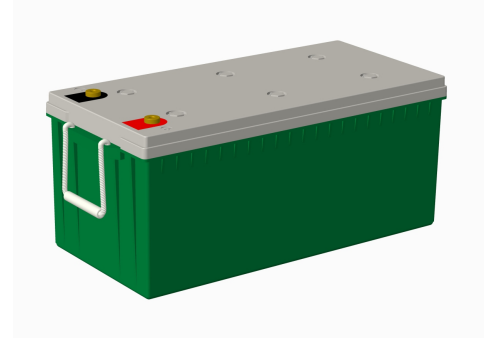
LRC Series-Lead Carbon

LRC12-200

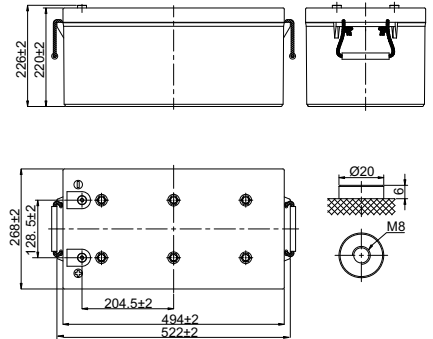


Specifications

Rated Voltage	12V	
Nominal Capacity	200Ah	(C ₁₀ , 1.80V/cell)
Dimension	Length	522±2mm (20.6 in.)
	Width	268±2mm (10.6 in.)
	Container Height	220±2mm (8.66 in.)
	Total Height	226±2mm (8.90 in.)
Approx Weight	75.6Kg (166.7lbs)	
Terminal	M8	
Container Material	ABS	
Rated Capacity (25°C)	200.0Ah	(10hr, 20.0A, 1.80V/cell)
	179.0 Ah	(5hr, 35.8A, 1.75V/cell)
	155.7 Ah	(3hr, 51.9A, 1.75V/cell)
Short Circuit Current	2007A	
Internal Resistance(25°C)	Approx. 4.0mΩ	
Operating Temp. Range	Discharge	-20°C~55°C (-4°F~131°F)
	Charge	-20°C~40°C (-4°F~104°F)
	Storage	-20°C~50°C (-4°F~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max. Discharging Current(25°C)	100.0A	
Max. Charging Current(25°C)	40.0A	
Charge voltage(25°C)	Cycle(Equalization)	2.30~2.40V/cell
	Temp. Coefficient	-4mV/cell/°C
Effect of temp. to Capacity	40°C (104°F)	106%
	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3.5% per month at 25°C	



Layout



Constant Current Discharge (Amperes) at 25°C (77°F)

F.V./Time	0.5h	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1.90V/cell	118.2	86.0	53.6	41.6	35.2	29.7	25.9	23.0	21.3	17.6	9.40
1.85V/cell	140.8	97.8	62.2	49.5	41.6	34.7	30.1	26.3	23.8	19.8	10.5
1.80V/cell	157.6	107.5	66.2	50.7	42.4	35.4	30.5	26.8	24.4	20.0	10.7
1.75V/cell	167.3	111.1	67.0	51.9	43.2	35.8	30.7	27.0	24.6	20.4	10.8

Constant Power Discharge (Watts/cell) at 25°C (77°F)

F.V./Time	0.5h	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1.90V/cell	221.2	160.5	102.4	77.4	65.4	54.8	48.1	44.2	42.5	35.3	18.8
1.85V/cell	268.1	191.1	120.8	92.9	77.6	64.4	55.8	50.8	48.5	40.0	21.0
1.80V/cell	294.9	200.6	126.4	94.3	78.8	65.2	56.6	51.4	48.9	40.6	21.4
1.75V/cell	313.5	207.7	127.0	95.7	79.8	65.9	57.0	51.8	49.3	40.8	21.6



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Applications

- Mobile container storage system
- Peak load shifting energy storage system
- Load tracking energy storage system
- Oil and electricity hybrid energy storage system
- Grid frequency adjustment energy storage system
- New energy communication base station, IDC, UPS etc.
- New energy generation (solar, wind, PV/wind hybrid) access to energy storage systems

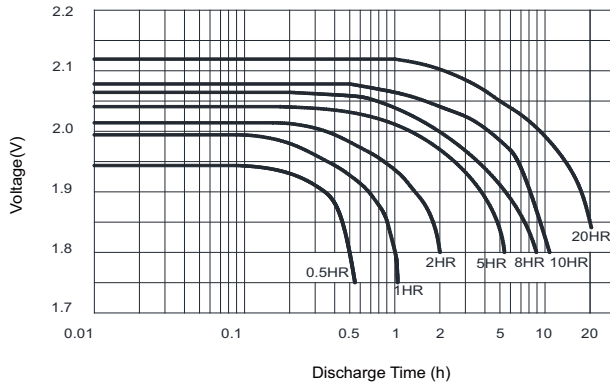
General Features

- Design life ≥ 12 years
- Adopt super carbon technology + deep cycle technology
- Excellent charging acceptance and super fast charge/large discharge performance
- Modular design and installation for less space, easy installation & maintenance
- Innovative robust design to ensure superb safety and reliability
- Horizontal installation, solve the problem of electrolyte stratification

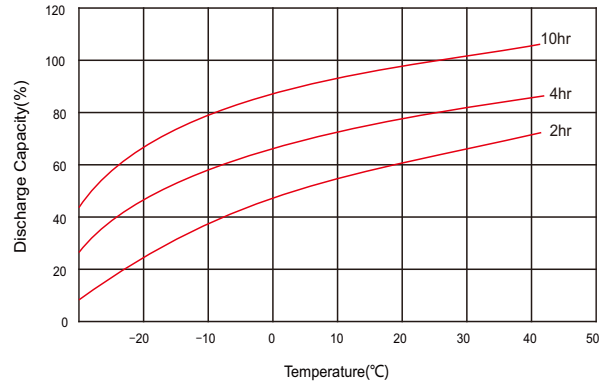
Standards

- Compliance with IEC 61427, BS EN 61427 standards
- Manufactured in Leoch@IATF16949, ISO 45001, ISO 9001 and ISO14001 certified production facilities

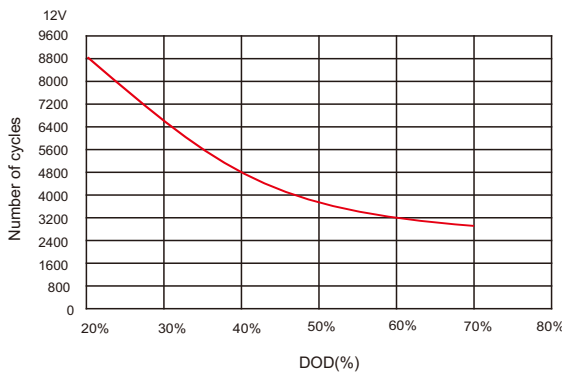
Discharge Characteristics



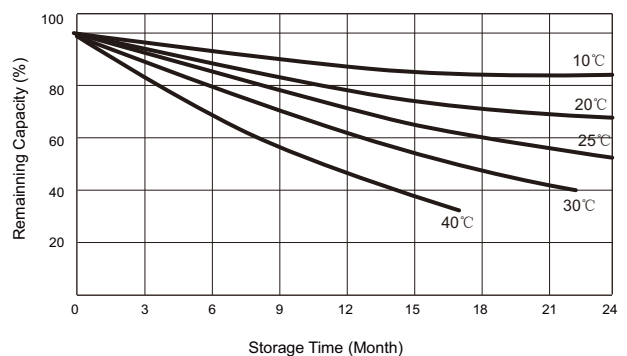
Temperature effects in relation to battery capacity



Cycle Life in Relation to DOD



Self Discharge Characteristics



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