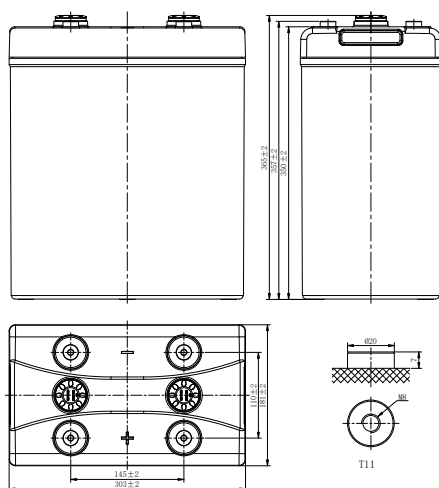


LRC SERIES-LEAD CARBON

LRC2-600 (2V600Ah)



CHARACTERISTICS

Item	Specifications	
Rated Voltage	2V	
Nominal Capacity (25°C)	C ₁₀ , 1.80V/cell	600Ah
Dimension	Length	303mm (11.9inches)
	Width	181mm (7.13inches)
	Container Height	350mm (13.8inches)
	Total Height	365mm (14.4inches)
Approx Weight	48.8kg (107.6lbs)	
Terminal	T11(M8)	
Container Material	ABS (UL94 HB or V-0 optional)	
Short-circuit current	6600A	
Internal Resistance (25°C)	Approx 0.28 mΩ (Fully charged)	
Operating Temp. Range	Discharge	-20~55°C (-4~131°F)
	Charge	-20~40°C (-4~104°F)
	Storage	-20~50°C (-4~122°F)
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Max.Charging Current (25°C)	0.15C	
Charge voltage (25°C)	Standby Use	Cycle Use
	2.23V/cell	2.35V/cell
Temp. Coefficient	/	-5mV/cell/°C
	40°C (104°F)	103%
Effect of temp. to Capacity	25°C (77°F)	100%
	0°C (32°F)	86%
Self Discharge	≤3.5% per month at 25°C (77°F)	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)																		
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	24h	36h	48h	60h	72h	84h	96h	108h	120h	240h
1.90V/cell	235.3	164.6	124.6	105.8	88.6	76.8	62.3	53.6	25.5	17.2	13.2	/	/	/	/	/	/	3.35
1.85V/cell	257.2	176.0	137.4	113.2	95.0	82.6	67.3	58.1	27.4	18.6	14.3	12.0	10.0	9.00	8.00	7.20	6.55	/
1.80V/cell	306.8	186.5	150.0	118.0	98.9	85.8	69.7	60.0	27.9	18.9	14.5	/	/	/	/	/	/	/
1.75V/cell	330.7	195.1	152.0	119.9	100.6	87.3	71.0	61.2	28.4	19.2	14.8	/	/	/	/	/	/	/

Constant Power Discharge (Watts/cell) at 25°C (77°F)																		
F.V/Time	1h	2h	3h	4h	5h	6h	8h	10h	24h	36h	48h	60h	72h	84h	96h	108h	120h	240h
1.90V/cell	461.7	326.4	250.2	213.4	179.0	155.4	126.4	109.0	49.0	33.2	25.5	/	/	/	/	/	/	6.80
1.85V/cell	504.4	344.5	272.1	226.6	190.5	165.8	135.4	117.1	51.0	34.5	26.5	24.0	20.0	18.0	16.0	14.4	13.1	/
1.80V/cell	592.8	362.6	295.6	234.1	196.9	171.3	139.9	121.0	52.9	35.8	27.5	/	/	/	/	/	/	/
1.75V/cell	623.6	376.8	305.2	237.8	199.8	173.6	141.6	122.3	53.9	36.5	28.0	/	/	/	/	/	/	/

LRC SERIES-LEAD CARBON

LRC2-600 (2V600Ah)



APPLICATIONS

- Mobile Containerized Energy Storage Systems
- Residential Energy Storage Systems
- PSOC Cycle Applications
- Peak Shaving and Valley Filling System
- Natural gas and oil hybrid energy storage systems
- Grid Frequency Regulation Energy Storage System
- Solar, wind, and hybrid energy storage systems
- Microgrid power plants

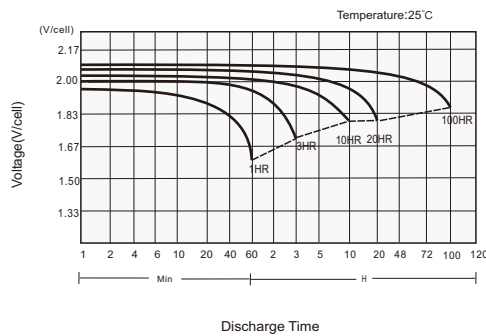
GENERAL FEATURES

- Super Carbon technology enhanced active material to maximize cycle performance and PSoC operation
- 100% leak tested to ensure seal integrity
- High-strength, High Temperature resistant, UL94-V0 Compliant Case and Cover optional
- Extended service life in high temperature applications
- Modular design and installation for less space, easy installation and maintenance

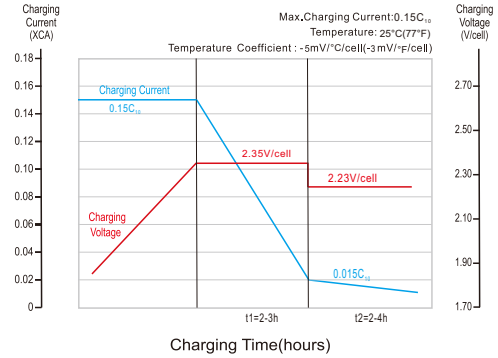
STANDARDS

- Compliance with IEC 61427, BS EN 61427 standards
- UL, CE Approved
- Manufactured in Leoch® IATF16949, ISO 45001, ISO 9001 and ISO 14001 certified production facilities

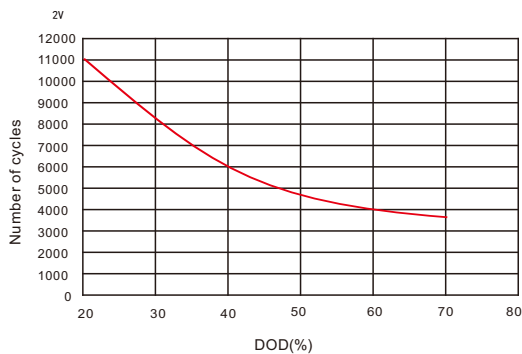
Discharge Characteristics



Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics

