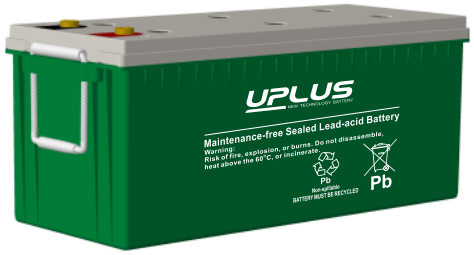
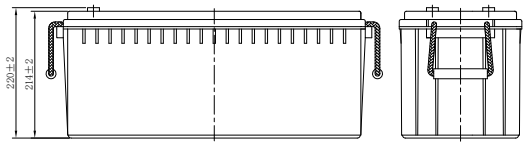
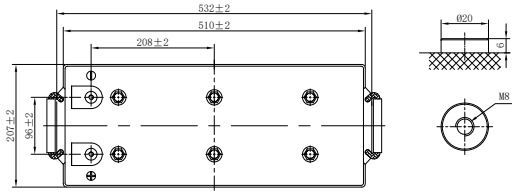
URC SERIES-LEAD CARBON

URC12-150 (12V150Ah)







T11

CHARACTERISTICS

Item		Specifications
Rated Voltage		12V
Nominal Capacity (25˚C)	C_{10},1.80V/cell	150Ah
Dimension	Length	532mm (20.9inches)
	Width	207mm (8.15inches)
	Container Height	214mm (8.43inches)
	Total Height	220mm (8.66inches)
Approx Weight		59.0kg (130.1lbs)
Terminal		T11(M8)
Container Material		ABS (UL94 HB or V-0 optional)
Short-circuit current		3000A
Internal Resistance (25˚C)		Approx 5 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)		0.3C
Charge voltage (25˚C)	Standby Use	Cycle Use
	/	2.35-2.40V/cell
Temp. Coeffcient	/	-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	≤3.5% per month at 25°C (77°F)	

DISCHARGE TABLE

Constant Current Discharge (Amperes) at 25°C (77°F)											
F.V/Time	30min	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1.95V/cell	70.9	53.8	34.4	26.3	21.9	18.7	16.5	14.9	13.7	11.6	6.30
1.90V/cell	88.7	64.5	41.0	30.8	25.6	21.7	19.1	17.3	15.9	13.4	7.20
1.85V/cell	105.6	70.5	47.5	36.6	30.2	25.4	22.2	19.7	17.8	15.0	8.00
1.80V/cell	118.2	77.5	50.6	37.5	30.8	25.9	22.5	20.1	18.1	15.2	8.20
1.75V/cell	125.5	83.0	51.2	38.4	31.4	26.2	22.8	20.3	18.4	15.5	8.30
1.70V/cell	131.1	88.2	52.6	39.1	31.8	26.7	23.1	20.5	18.6	15.7	8.40
Constant Power Discharge (Watts/cell) at 25°C (77°F)											
F.V/Time	30min	1h	2h	3h	4h	5h	6h	7h	8h	10h	20h
1.95V/cell	132.8	100.5	65.7	48.8	40.6	35.4	31.7	29.6	27.4	23.2	12.6
1.90V/cell	185.7	119.5	79.3	58.6	48.4	42.2	37.4	34.1	31.3	27.1	14.7
1.85V/cell	201.1	137.8	92.3	68.7	56.1	47.3	41.4	38.1	35.6	30.4	16.1
1.80V/cell	221.2	144.6	95.6	69.7	57.2	48.1	42.3	38.9	36.1	30.9	16.4
1.75V/cell	238.6	155.2	96.8	70.8	58.0	48.9	43.5	39.8	36.8	31.0	16.6
1.70V/cell	248.0	164.0	98.3	72.3	58.7	49.8	44.3	40.3	37.1	31.3	16.7

URC SERIES-LEAD CARBON

URC12-150 (12V150Ah)

APPLICATIONS

- Mobile container storage system
- Peak load shifting 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

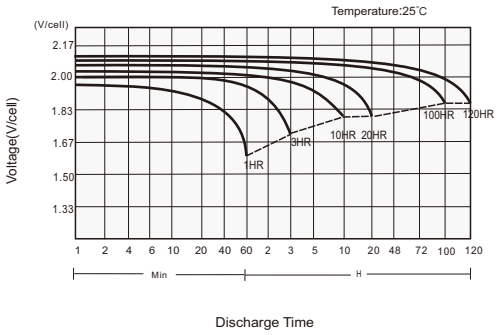
GENERAL FEATURES

- Super Carbon technology enhanced active material to maximize cycle performance and PSoC operation
- 100% leak tested to ensure sealintegrity
- High-strength, High Temperature resistant, UL94-V0 Compliant Case and Cover optional
- Extended service life in high temperature applications

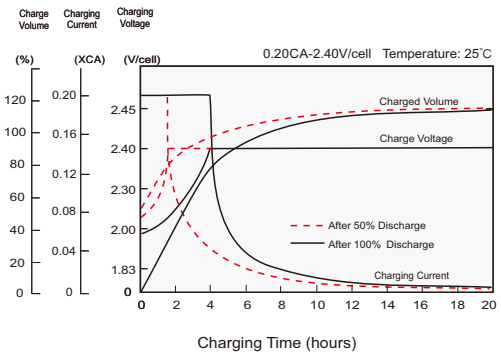
STANDARDS

- Compliance with IEC 61427, BS EN 61427 standards

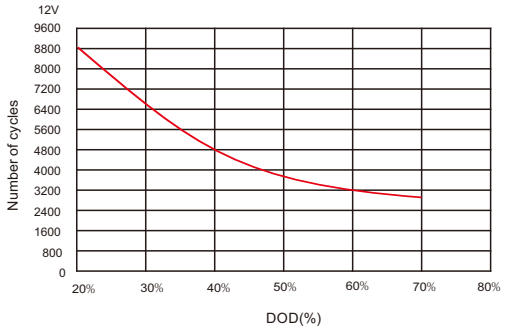
Discharge Characteristics



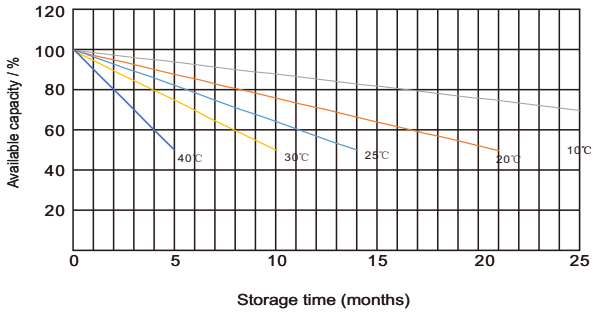
Charging Characteristics



Cycle Life in Relation to DoD



Self Discharge Characteristics



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