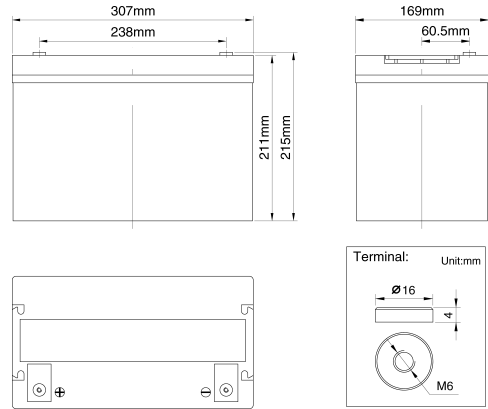


DC90-12



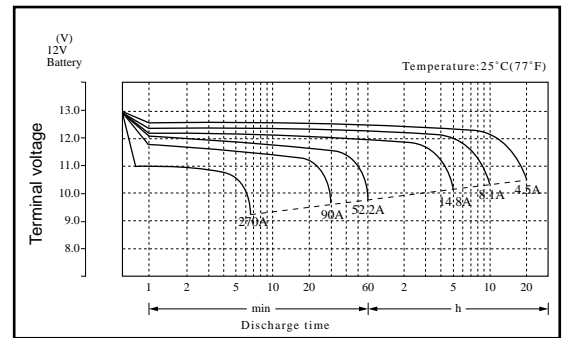
Specifications

Nominal Voltage	12V	
Rated Capacity(20 hour rate)	90AH	
Dimension	Total Height (with terminals)	215mm(8.46inches)
	Height	211mm(8.31inches)
	Length	307mm(12.09inches)
	Width	169mm(6.65inches)
Weight	Approx.30.9kg(67.46lbs)	

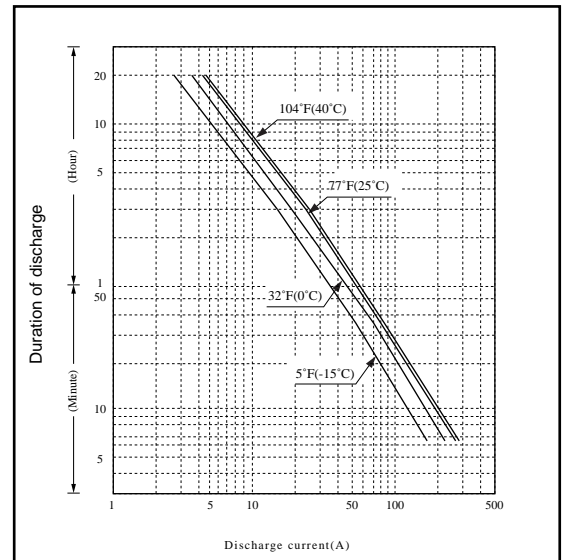
Characteristics

Capacity 77°F(25°C)	20 hour rate(4.5A)	90AH
	10 hour rate(8.1A)	81AH
	5 hour rate(14.8A)	73.8AH
	1 hour rate(52.2A)	52.2AH
Internal Resistance	Full charged Battery 77°F(25°C)	4mΩ
Capacity affected by Temperature (20 hour rate)	104°F(40°C)	102%
	77°F(25°C)	100%
	32°F(0°C)	85%
	5°F(-15°C)	65%
Self-Discharge 77°F(25°C)	Capacity after 3 month storage	91%
	Capacity after 6 month storage	82%
	Capacity after 12 month storage	64%
Max. Discharge Current 77°F(25°C)	1350A(5S)	
Terminal	Standard	F15
	Optional	
Charging (Constant Voltage)	Cycle	Initial Charging Current 18A Or Small 14.5V~14.9V/77°F(25°C)
	Float	13.6V~13.8V/77°F(25°C)

Discharge characteristics 77°F(25°C)



Duration of discharge vs. Discharge current



Constant Power Discharge Watts Per Cell @ 77°F(25°C)

Cut off voltage V/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.60	527	382	306	185	133	105.7	61.9	43.2	29.3	19.2	16.1	14.0	7.26
1.65	518	378	302	184	132	104.8	62.2	42.8	29.3	19.2	16.1	14.0	7.26
1.67	511	374	296	182	131	103.8	61.8	42.5	29.3	19.2	16.1	14.0	7.26
1.70	495	363	286	178	127	102.8	61.5	42.1	29.3	19.2	16.1	14.0	7.26
1.75	475	347	274	171	124	100.9	60.9	41.7	28.9	18.9	16.0	14.0	7.26
1.80	454	333	262	164	122	98.9	60.3	41.2	28.5	18.6	15.7	13.9	7.26

Note The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values.

FULLRIVER DC BATTERIES

This information is generally descriptive only and is not intended to make or imply any representation, guarantee or warranty with respect to any cells and batteries. Cell and battery designs/specifications are subject to modification without notice. Contact Fullriver for the latest information.