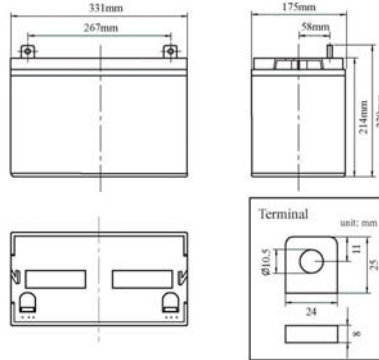


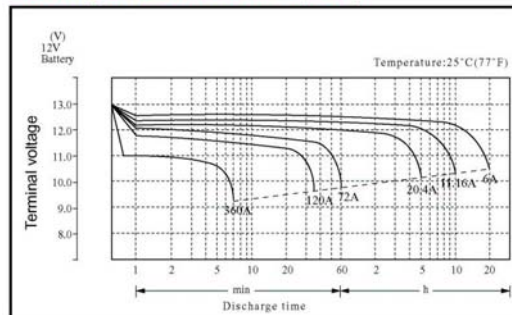
# S-12V120



## Specifications

Nominal Voltage		12V
Rated Capacity(20 hour rate)		120AH
Dimension	Total Height (with terminals)	239mm(9.41inches)
	Height	214mm(8.43inches)
	Length	331mm(13.03inches)
	Width	175mm(6.89inches)
Weight		Approx.35.0kg(77.16lbs)

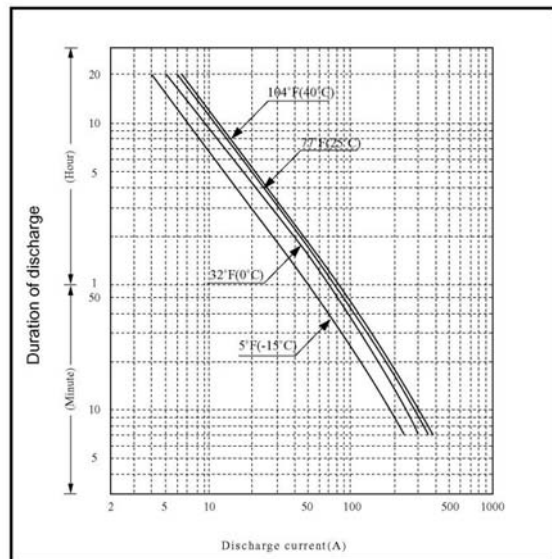
## Discharge characteristics 77°F(25°C)



## Characteristics

Capacity 77 F (25°C)	20 hour rate (6A)	120AH
	10 hour rate (11.16A)	111.6AH
	5 hour rate (20.4A)	102AH
	1 hour rate (72A)	72AH
	15 min rate (210A)	52.5AH
Internal Resistance	Full charged Battery 77 F (25°C)	3mΩ
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)	1800A (SS)	
Terminal	Standard	F11
	Optional	F17
Charging (Constant Voltage)	Cycle	Initial Charging Current 24A Or Small 14.5V~14.9V/77 F (25°C)
	Float	13.6V~13.8V/77 F (25°C)

## Duration of discharge vs. Discharge current



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

Cut off voltageV/cell	5M	10M	15M	30M	45M	1H	2H	3H	5H	8H	10H	12H	24H
1.60	736	550	443	273	198	154	89.6	62.5	42.0	27.6	23.3	20.1	10.4
1.65	716	539	435	270	196	152	89.1	62.0	41.8	27.6	23.3	20.1	10.4
1.67	707	533	429	268	194	151	88.8	61.4	41.8	27.6	23.3	20.1	10.4
1.70	681	515	413	262	190	150	88.3	61.0	41.7	27.6	23.3	20.1	10.4
1.75	648	490	395	252	186	148	87.6	60.4	41.2	27.2	23.1	20.1	10.4
1.80	614	467	377	243	181	146	86.9	59.9	40.7	26.8	22.7	19.8	10.4

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