

# FRONT TERMINAL SERIES

## SN12120F (12V 120AH)



### Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	120AH	
Dimension	Length	552±3mm(21.7inch)
	Width	110±2mm(4.33inch)
	Height	240±2mm(9.44inch)
	Total Height	240±2mm(9.44inch)
Approx Weight	Approx. 40.6kg(89.5lbs)	
Terminal Type	T11	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 3.2mΩ	
Rated Capacity	125AH/6.25A	(20hr, 1.80V/cell,25°C/77°F)
	120AH/12A	(10hr, 1.80V/cell,25°C/77°F)
	104.4AH/20.88A	(5hr, 1.75V/cell,25°C/77°F)
	92.4AH/30.8A	(3hr, 1.75V/cell,25°C/77°F)
	74.4AH/74.4A	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	1100A(5S)	
Nominal Operating Temp. Range	25±3°C (77±5°F)	
Cycle Use	Charge Current Less Than 0.25CA	
	14.1V~14.7V@25°C(77°F)Temp. Coefficient -30mV/°C	
Floating Us	No limit on Initial Charging Current Voltage	
	13.5V~13.8V@25°C(77°F)Temp. Coefficient -20mV/°C	
Capacity affected by Temperature	40°C	103%
	25°C	100%
	0°C	86%
	-15°C	65%
Self-discharge	3 month	Remaining capacity: 91%
	6 month	Remaining capacity: 82%
	12month	Remaining capacity: 65%



### Constant Power Discharge at 25°C(77°F)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	405.9	341.8	296.3	234.9	183.7	149.9	90	65	52.4	43.5	37.9	29.7	24.8	13.15
1.80V/cell	454.8	375.8	323.1	253.2	196.1	159.1	94.3	68.8	54.8	45.5	39.7	31.1	25.9	13.73
1.75V/cell	491.2	401.8	341.6	263.9	201.7	164	95.7	69.6	56	46.4	40.2	31.4	26.2	13.92
1.70V/cell	513.7	417.4	352.7	270.1	205.6	165.7	96.9	70.2	56.3	46.5	40.6	31.8	26.4	14.01
1.65V/cell	529.5	426	358.5	273	205.6	166	97	70.4	56.6	47	41	32.2	26.6	14.07
1.60V/cell	541.3	433.6	369.3	276.2	208.8	168.6	97.8	71.4	57.5	48	41.6	32.8	27.1	14.12

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

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	217.4	181.2	155.5	122	94.6	76.9	45.9	33	26.5	21.9	19.1	14.87	12.41	6.57
1.80V/cell	246.5	202	172.1	133.5	101.8	82.1	48.4	35.1	27.9	23.1	20.1	15.63	12.98	6.87
1.75V/cell	270.5	218.6	183.7	140.3	105.7	85	49.3	35.7	28.6	23.6	20.4	15.81	13.13	6.98
1.70V/cell	289.3	230.2	191.1	144.4	108.1	86.1	50	36.1	28.8	23.8	20.6	16.04	13.25	7.03
1.65V/cell	299.4	236	195	146.2	108.5	86.5	50.1	36.3	29	24	20.9	16.25	13.38	7.06
1.60V/cell	314.7	245	203.8	149.9	111.4	88.8	51	37	29.6	24.6	21.3	16.63	13.63	7.1

