

# FRONT TERMINAL SERIES

## SN12100F (12V 100AH)



### Specifications

Nominal Voltage	12V	
Nominal Capacity(10hr)	100AH	
Dimension	Length	394±3mm(15.51inch)
	Width	110±2mm(4.33inch)
	Height	285±2mm(11.22inch)
	Total Height	285±2mm(11.22inch)
Approx Weight	Approx. 34.5kg(76.1lbs)	
Terminal Type	T6	
container Material	ABS(UL-94HB)	
Internal Resistance	Approx. 4.3mΩ	
Rated Capacity	104AH/5.2A	(20hr, 1.80V/cell,25°C/77°F)
	100AH/10.0A	(10hr, 1.80V/cell,25°C/77°F)
	87AH/17.4A	(5hr, 1.75V/cell,25°C/77°F)
	77AH/25.6A	(3hr, 1.75V/cell,25°C/77°F)
	62AH/62A	(1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	1000A(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	324.8	273.4	237	187.9	147	119.9	72	52	41.9	34.8	30.3	23.7	19.8	10.52
1.80V/cell	363.9	300.7	258.5	202.5	156.9	127.3	75.4	55	43.8	36.4	31.7	24.9	20.7	10.98
1.75V/cell	393	321.4	273.3	211.1	161.4	131.2	76.6	55.7	44.8	37.1	32.1	25.2	20.9	11.14
1.70V/cell	411	333.9	282.2	216.1	164.5	132.5	77.5	56.2	45	37.2	32.5	25.4	21	11.21
1.65V/cell	423.6	340.8	286.8	218.4	164.5	132.8	77.6	56.1	45.1	37.3	32.6	25.5	21.2	11.25
1.60V/cell	433	346.9	295.4	221	167	134.9	78.2	56.5	45.4	37.6	32.7	25.6	21.4	11.3

### 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	173.9	145	124.4	97.6	75.7	61.5	36.7	26.4	21.2	17.6	15.3	11.9	9.92	5.26
1.80V/cell	197.2	161.6	137.7	106.8	81.4	65.7	38.7	28.1	22.3	18.5	16.1	12.5	10.38	5.5
1.75V/cell	216.4	174.9	146.9	112.2	84.5	68	39.4	28.6	22.9	18.9	16.3	12.7	10.49	5.58
1.70V/cell	231.5	184.2	152.9	115.5	86.5	68.9	40	28.8	23	19	16.5	12.8	10.56	5.62
1.65V/cell	239.5	188.8	156	117	86.8	69.2	40.1	28.9	23.1	19.1	16.6	12.9	10.65	5.65
1.60V/cell	251.8	196	163	119.9	89.1	71	40.8	29.3	23.4	19.3	16.7	12.98	10.8	5.68