

FRONT TERMINAL SERIES

SN12150F (12V 150AH)



Specifications

Nominal Voltage	12V		
Nominal Capacity(10hr)	150AH		
Dimension	Length	551±3mm(21.69inch)	
	Width	110±2mm(4.33inch)	
	Height	287±2mm(11.3inch)	
	Total Height	287±2mm(11.3inch)	
Approx Weight	Approx. 46kg(101.4lbs)		
Terminal Type	T6		
container Material	ABS(UL-94HB)		
Internal Resistance	Approx. 3.0m		
Rated Capacity	156AH/7.8A	(20hr, 1.80V/cell,25	/77)
	150AH/15A	(10hr, 1.80V/cell,25	/77)
	130.5AH/26.1A	(5hr, 1.75V/cell,25	/77)
	100AH/33.3A	(3hr, 1.75V/cell,25	/77)
	93AH/93A	(1hr, 1.60V/cell,25	/77)
Max. Discharge Current	1200A(5S)		
Nominal Operating Temp. Range	25±3 (77±5)		
Cycle Use	Charge Current Less Than 0.25CA		
	14.1V~14.7V@25	(77)Temp. Coefficient	-30mV/
Floating Us	No limit on Initial Charging Current Voltage		
	13.5V~13.8V@25	(77)Temp. Coefficient	-20mV/
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 (77)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	487.1	410.2	355.5	281.9	220.4	179.8	108	78	62.8	52.2	45.5	35.6	29.8	15.78
1.80V/cell	545.8	451	387.8	303.8	235.3	190.9	113.1	82.6	65.8	54.6	47.6	37.3	31.1	16.48
1.75V/cell	589.5	482.2	409.9	316.6	242	196.8	114.9	83.5	67.2	55.7	48.2	37.6	31.4	16.7
1.70V/cell	616.5	500.9	423.2	324.1	246.7	198.8	116.2	84.2	67.5	55.8	48.7	38.1	31.7	16.81
1.65V/cell	635.4	511.2	430.2	327.6	246.8	199.2	116.4	84.5	67.9	56.4	49.2	38.6	31.9	16.88
1.60V/cell	649.5	520.3	443.1	331.5	250.5	202.4	117.3	85.7	69	57.6	49.9	39.4	32.5	16.95

Constant Current Discharge at 25 (77)

F.V/Time	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	260.9	217.5	186.6	146.4	113.5	92.3	55	39.6	31.8	26.3	22.9	17.85	14.89	7.89
1.80V/cell	295.8	242.4	206.6	160.2	122.1	98.5	58	42.2	33.5	27.7	24.1	18.75	15.57	8.25
1.75V/cell	324.6	262.3	220.4	168.3	126.8	102	59.2	42.8	34.3	28.3	24.5	18.98	15.75	8.37
1.70V/cell	347.2	276.3	229.3	173.2	129.7	103.4	60	43.3	34.5	28.5	24.8	19.25	15.9	8.43
1.65V/cell	359.3	283.1	234.1	175.4	130.2	103.8	60.2	43.5	34.8	28.8	25.1	19.5	16.05	8.48
1.60V/cell	377.7	294	244.5	179.9	133.6	106.5	61.2	44.4	35.6	29.6	25.5	19.95	16.35	8.52