

FRONT TERMINAL SERIES

SN12105F (12V 105AH)



Specifications

Nominal Voltage	12V		
Nominal Capacity(10hr)	105AH		
Dimension	Length	507±3mm(19.96inch)	
	Width	110±2mm(4.33inch)	
	Height	238±2mm(9.37inch)	
	Total Height	238±2mm(9.37inch)	
Approx Weight	Approx. 34.5kg(76.1lbs)		
Terminal Type	T6		
container Material	ABS(UL-94HB)		
Internal Resistance	Approx. 5m		
Rated Capacity	110.52AH/5.53A	(20hr, 1.80V/cell,25	/77)
	105AH/10.5A	(10hr, 1.80V/cell,25	/77)
	89.25AH/17.85A	(5hr, 1.75V/cell,25	/77)
	78.75AH/26.3A	(3hr, 1.75V/cell,25	/77)
	65.1AH/65.1A	(1hr, 1.60V/cell,25	/77)
Max. Discharge Current	1050A(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	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	10h	20h
1.85V/cell	3073	2330	1876	1242	749.2	467.3	326.1	270.3	221.5	155.7	131.8	69.93
1.80V/cell	3012	2259	1846	1227	747.4	464.9	326.2	270	220.9	155	131	68.71
1.75V/cell	2978	2199	1825	1218	741.7	462.1	324.8	269.4	220.1	154	129.8	67.44
1.70V/cell	2711	2048	1741	1210	735	458.7	323.6	266.9	217.5	152.7	128.5	66.17
1.65V/cell	2469	1888	1609	1191	721.4	452.9	314.7	260.8	213.6	150.2	127.2	64.9
1.60V/cell	2169	1707	1449	1121	690.6	436	301.1	248.2	204.4	143.8	123.4	61.08

Constant Current Discharge at 25 (77)

F.V/Time	5min	10min	15min	30min	45min	1h	2h	3h	4h	5h	10h	20h
1.85V/cell	291.3	218.8	170.6	109.7	64.84	39.65	27.41	22.68	18.56	13.04	11.03	5.832
1.80V/cell	282.8	208.2	167.1	107.8	64.54	39.35	27.3	22.58	18.45	12.94	10.92	5.726
1.75V/cell	274.5	200.9	164.5	105.8	63.94	39.05	27.09	22.47	18.35	12.83	10.82	5.62
1.70V/cell	246.4	185.3	156.6	105	63.34	38.76	26.99	22.26	18.13	12.72	10.71	5.514
1.65V/cell	222.4	169	144.3	103.2	61.85	38.06	26.25	21.74	17.8	12.51	10.6	5.408
1.60V/cell	189.9	151	129.5	96.7	58.75	36.37	25.1	20.69	17.04	11.98	10.29	5.09