

FRONT TERMINAL SERIES

SN12075F (12V 75AH)



Specifications

Nominal Voltage	12V		
Nominal Capacity(10hr)	75AH		
Dimension	Length	562±3mm(22.12inch)	
	Width	114±2mm(4.49inch)	
	Height	187±2mm(7.36inch)	
	Total Height	187±2mm(7.36inch)	
Approx Weight	Approx. 26kg(57.3lbs)		
Terminal Type	T6		
container Material	ABS(UL-94HB)		
Internal Resistance	Approx. 5m		
Rated Capacity	78.1AH/3.9A	(20hr, 1.80V/cell,25	/77)
	75AH/7.5A	(10hr, 1.80V/cell,25	/77)
	65.3AH/13.05A	(5hr, 1.75V/cell,25	/77)
	57.8AH/19.3A	(3hr, 1.75V/cell,25	/77)
	46.5AH/46.5A	(1hr, 1.60V/cell,25	/77)
Max. Discharge Current	750A(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	243.6	205.1	177.8	140.9	110.2	89.9	54	39	31.4	26.1	22.8	17.8	14.9	7.89
1.80V/cell	272.9	225.5	193.9	151.9	117.7	95.5	56.6	41.3	32.9	27.3	23.8	18.6	15.5	8.24
1.75V/cell	294.7	241.1	204.9	158.3	121	98.4	57.4	41.8	33.6	27.8	24.1	18.8	15.7	8.35
1.70V/cell	308.2	250.4	211.6	162.1	123.3	99.4	58.1	42.1	33.8	27.9	24.4	19.1	15.8	8.41
1.65V/cell	317.7	255.6	215.1	163.8	123.4	99.6	58.2	42.3	34	28.2	24.6	19.3	16	8.44
1.60V/cell	324.8	260.2	221.6	165.7	125.3	101.2	58.7	42.8	34.5	28.8	25	19.7	16.2	8.47

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	130.4	108.7	93.3	73.2	56.8	46.1	27.5	19.8	15.9	13.2	11.5	8.92	7.44	3.94
1.80V/cell	147.9	121.2	103.3	80.1	61.1	49.2	29	21.1	16.7	13.9	12	9.38	7.79	4.12
1.75V/cell	162.3	131.1	110.2	84.2	63.4	51	29.6	21.4	17.2	14.2	12.2	9.49	7.88	4.19
1.70V/cell	173.6	138.1	114.7	86.6	64.8	51.7	30	21.6	17.3	14.3	12.4	9.62	7.95	4.22
1.65V/cell	179.6	141.6	117	87.7	65.1	51.9	30.1	21.8	17.4	14.4	12.5	9.75	8.03	4.24
1.60V/cell	188.8	147	122.3	89.9	66.8	53.3	30.6	22.2	17.8	14.8	12.8	9.98	8.18	4.26