

FRONT TERMINAL SERIES

SN12055F (12V 55AH)



Specifications

Nominal Voltage	12V		
Nominal Capacity(10hr)	55AH		
Dimension	Length	277±3mm(10.90inch)	
	Width	135±2mm(4.17inch)	
	Height	223±2mm(8.78inch)	
	Total Height	223±2mm(8.78inch)	
Approx Weight	Approx. 18.0kg(35.3lbs)		
Terminal Type	T6		
container Material	ABS(UL-94HB)		
Internal Resistance	Approx. 6m		
Rated Capacity	52.8AH/2.64A	(20hr, 1.80V/cell,25	/77)
	55AH/5.50A	(10hr, 1.80V/cell,25	/77)
	47.9AH/9.58A	(5hr, 1.75V/cell,25	/77)
	42.4AH/14.1A	(3hr, 1.75V/cell,25	/77)
	34.1AH/34.1A	(1hr, 1.60V/cell,25	/77)
Max. Discharge Current	550A(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 Use	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	178.6	150.4	130.4	103.4	80.8	65.9	39.6	28.6	23	19.1	16.7	13.05	10.9	5.79
1.80V/cell	200.1	165.4	142.2	111.4	86.3	70	41.5	30.3	24.1	20	17.5	13.67	11.4	6.04
1.75V/cell	216.1	176.8	150.3	116.1	88.7	72.2	42.1	30.6	24.6	20.4	17.7	13.8	11.5	6.12
1.70V/cell	226	183.7	155.2	118.8	90.4	72.9	42.6	30.9	24.8	20.5	17.9	13.99	11.6	6.16
1.65V/cell	233	187.4	157.8	120.1	90.5	73	42.7	31	24.9	20.7	18	14.15	11.7	6.19
1.60V/cell	238.2	190.8	162.5	121.5	91.9	74.2	43	31.4	25.3	21.1	18.3	14.43	11.9	6.21

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	95.7	79.7	68.4	53.7	41.6	33.8	20.2	14.5	11.7	9.66	8.4	6.54	5.46	2.89
1.80V/cell	108.4	88.9	75.7	58.7	44.8	36.1	21.3	15.5	12.3	10.2	8.83	6.88	5.71	3.02
1.75V/cell	119	96.2	80.8	61.7	46.5	37.4	21.7	15.7	12.6	10.4	8.97	6.96	5.78	3.07
1.70V/cell	127.3	101.3	84.1	63.5	47.6	37.9	22	15.9	12.7	10.5	9.08	7.06	5.83	3.09
1.65V/cell	131.7	103.8	85.8	64.3	47.7	38.1	22.1	16	12.8	10.6	9.19	7.15	5.89	3.11
1.60V/cell	138.5	107.8	89.7	65.9	49	39.1	22.4	16.3	13	10.8	9.35	7.32	6	3.12

