

STANDBY SERIES

SN12070 (12V 70AH)



Specifications

Nominal Voltage	12V
Nominal Capacity(10hr)	70AH
Dimension	Length 348±3mm(13.70inch)
	Width 167±2mm(6.57inch)
	Height 178±2mm(7.01inch)
	Total Height 178±2mm(7.01inch)
Approx Weight	Approx. 19.2kg(42.3lbs)
Terminal Type	T6
container Material	ABS(UL-94HB)
Internal Resistance	Approx. 6.6mΩ
	72.8AH/3.64A (20hr, 1.80V/cell,25°C/77°F)
Rated Capacity	70AH/7.0A (10hr, 1.80V/cell,25°C/77°F)
	60.9AH/12.18A (5hr, 1.75V/cell,25°C/77°F)
	53.9AH/17.9A (3hr, 1.75V/cell,25°C/77°F)
	43.4AH/43.4A (1hr, 1.60V/cell,25°C/77°F)
Max. Discharge Current	840A(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 Use	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	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	219.1	174	149.5	126.3	101.5	77.5	63.6	40.8	32.4	26.5	21.4	18.7	15.3	13	7.14
1.80V/cell	290.9	219.7	178.2	147.1	117.9	89.4	70.9	44.2	34.7	28.2	22.9	20	16.1	13.8	7.2
1.75V/cell	321	237.5	192.2	156.7	121.4	91.9	73.9	45.7	35.2	28.7	23.5	20.5	16.4	13.9	7.26
1.70V/cell	343.7	253	202.4	163.5	125.7	95.2	75.9	47.4	36.1	29.4	24	20.9	16.6	14.1	7.39
1.65V/cell	373.6	270.6	213.5	172.4	131.5	96.7	77.9	48.5	37.4	30.3	24.6	21.3	16.8	14.3	7.48
1.60V/cell	402.6	287.1	224.6	181.6	137.8	100.2	80.3	49.9	38.4	31.2	25.3	21.7	17	14.5	7.51

Constant Current Discharge at 25°C(77°F)

F.V/Time	5min	10min	15min	20min	30min	45min	1h	2h	3h	4h	5h	6h	8h	10h	20h
1.85V/cell	119.8	94.2	80.1	67	53.2	40.3	33	21	16.6	13.6	10.9	9.53	7.74	6.61	3.61
1.80V/cell	160.8	120.4	96.8	79.2	62.8	46.9	37	22.9	17.9	14.5	11.7	10.2	8.2	7	3.64
1.75V/cell	181.3	132.2	105.7	85.2	65.2	48.6	38.7	23.8	18.2	14.8	12	10.5	8.34	7.07	3.68
1.70V/cell	199.7	144.1	112.9	89.5	67.9	50.6	39.9	24.7	18.7	15.2	12.4	10.7	8.46	7.14	3.75
1.65V/cell	220.2	155.6	120	95.1	71.6	51.8	41.2	25.4	19.5	15.7	12.7	11	8.6	7.29	3.79
1.60V/cell	242.8	168.9	128.3	101.3	75.6	54	42.7	26.3	20.1	16.2	13.1	11.2	8.68	7.36	3.82