

SP SERIES/6-CNFJ-100 12V100AH
Applications

- UPS and solar power system
- Firefighting equipment standby power supply
- Medical treatment equipment, Alarm system
- Telecommunication system,, Railway station,
- Ship Equipment, Military Equipment
- Control systems, Emergency lamp



Battery Model	6-CNFJ-100/12V100Ah			
Capacity (25°C)	10Hr(10A,1.75V)	5Hr (18.6A,1.75V)	3Hr(14.16A,1.75V)	1Hr(60.0A,1.70V)
	100Ah	93Ah	85Ah	60Ah
Dimensions	Length	Width	Height	Total Height
	334mm	172mm	215mm	218mm
Approx Weight	29.50KG±3%			
Internal Resistance	7.1mΩ			
Self Discharge	≤2% per month (25°C)			
Charge Voltage 25°C	Cycle Use		Float Use	
	14.2V(-24mV/°C),max charge current:15A		13.5V(-18mV/°C)	

General Features

- Wide operating temperature range from -25°C to 45°C
- Sealed and maintenance free operation
- Low self-discharge rate and long shelf life (9 months at 25°C)
- ABS containers and covers
- No memory effect, thick flat plate with high Tin low Calcium alloy
- Absorptive Glass Mat Technology (AGM System)
- Safety valve installation for explosion proof
- Long Service Life, Float or Cyclic



Discharge Parameter

Constant Current Discharge Data (25°C,A)

End Voltage (V/cell)	5min	10min	15min	20min	30min	45 min	1h	1.5h	2h	3h	5h	10h	20h
1.60	335.0	236.0	181.0	148.0	110.0	80.00	63.50	47.30	37.30	26.80	17.63	9.600	5.130
1.65	315.0	227.0	175.0	144.0	107.0	78.00	61.90	46.50	36.90	26.50	17.40	9.500	5.100
1.70	292.0	216.0	169.0	140.30	104.0	76.00	60.00	45.60	36.20	26.20	17.20	9.400	5.050
1.75	262.0	201.0	162.0	135.0	101.0	74.00	58.70	45.00	35.30	25.70	17.00	9.300	5.000
1.80	237.0	184.0	153.9	129.0	97.00	72.50	57.10	43.50	34.50	25.20	16.60	9.100	4.900

Constant Power Discharge Data (25°C,W/cell)

End Voltage	5min	10min	15min	20min	30min	45 min	1h	1.5h	2h	3h	5h	10h	20h
1.60	565.0	422.0	329.0	272.4	204.0	151.0	119.0	88.00	69.70	50.580	33.30	18.80	10.38
1.65	540.0	410.0	323.0	266.9	201.0	147.6	117.0	87.06	69.13	50.13	33.07	18.55	10.32
1.70	509.0	394.0	315.0	261.5	197.0	144.5	116.0	86.13	68.44	49.69	32.87	18.36	10.27
1.75	467.0	372.0	304.0	253.6	192.0	141.5	113.5	85.12	67.68	49.28	32.62	18.16	10.20
1.80	429.0	346.9	290.0	244.0	186.0	139.0	111.0	83.50	66.50	48.50	32.30	17.95	10.00

Performance Curve

