

SP SERIES/6-CNFJ-100 12V100AH

Applications

- Solar system and Wind system
- Solar street light and solar garden light
- Emergency lighting equipment
- Fire alarm and security systems
- Telecommunication equipment
- Electric equipment and telemeter equipment



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	30.00KG±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

- Germany GEL technology
- Deep cycle solar battery
- Wide operating temperature range from -25°C to 60°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
- Safety valve installation for explosion proof
- Long Service Life, Float or Cyclic
- Design Life : 8 to 12 years



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

