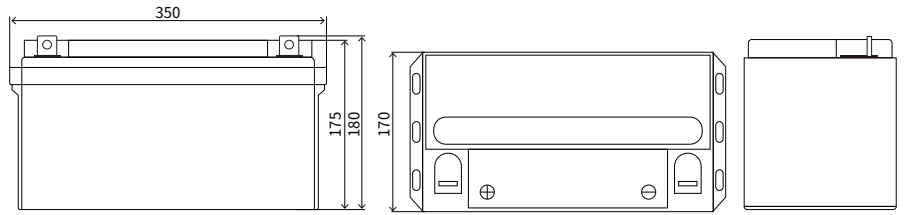




# Yangzhou Bright Solar Solutions Co.,Ltd

Yangzhou Bright Solar Solutions Co.,Ltd,Established in 1997, an ISO 9001:2000, CE&EN, RoHS, IEC, SONCAP, PVOC &COC, SASO,CIQ,FCC,CCPIT, CCC,IES, TUV, IP67, AAA approved Manufacturer and Exporter for Solar Stret Lights, LEDStreet Lights, Solar Battery & UPS Battery, Solar Panels, Solar Controllers, Solar Home Lighting Kits, etc.Yangzhou Bright Solar Solutions Co.,Ltd,has always adhered to the concept of people-oriented,science and technology first, enery-saving,low-carbon, and social service. BRSOLAR products have been successessfully applien in more than 128 countries,hired well-known experts in the Solar industry.

## 6-CNJ-50 GEL BATTERY



### Technology data

Rated voltage	Capacity (10hr,1.80V/Cell)	Weight	Max discharge current	Max charging current	Self-discharge (25°C)	Recommended Using temperature	Cover Material
12V	50Ah	18Kg	30I <sub>10</sub> A(3min)	≤0.25C <sub>10</sub>	≤3%/month	15°C~25°C	ABS
Using temperature	Charging Voltage (25°C)	Charging Mode (25°C)		Cycle life	Capacity Affected by Temperature		
Discharge:-45°C~50°C	floating charge:	Float Charge: 2.275±0.025V/Cell		100%DOD 572 times	105% @ 40°C		
Charge:-20°C~45°C	13.5V-13.8V	Temperature parameters: ±3mV/Cell °C		50%DOD 1422 times	90% @ 0°C		
Storage:-30°C~40°C	equalizing charge:	Cycle Charge: 2.45±0.05V/Cell		30%DOD 2218 times	70% @ -20°C		
	14.4V-14.7V	Temperature Compensation Coefficient ±5mV/Cell °C					

### Features

“BR” battery, Maintenance free and easy to use,Contemporary advanced technology research and development of new high-performance batteries,It can be widely used in solar energy , wind energy, telecommunica-tion systems, off-grid systems, UPS and other fields. The designed life for the battery could be eight years up for float use.

### Different discharge time at different terminal Voltage, discharge time(Amps,25)

Termination Voltage (V/Cell)	1H	3H	5H	10H	20H	50H	100H	120H	240H
1.7	26.55	12.07	8.07	5.20	2.69	1.13	0.61	0.54	0.29
1.75	26.02	11.95	7.92	5.13	2.63	1.09	0.57	0.51	0.27
1.8	25.50	11.83	7.80	5.00	2.56	1.05	0.55	0.47	0.25
1.85	24.48	11.77	7.65	4.79	2.44	1.01	0.51	0.44	0.23
1.9	23.50	11.66	7.54	4.69	2.40	0.98	0.50	0.42	0.22
1.95	22.47	11.43	7.38	4.43	2.23	0.91	0.47	0.40	0.21

Constant current discharge coefficient(25°C, A)

### Contact information

Contact number	Fax	E-mail	Website
+86-13505277754	+86-0514-87323722	sales@brsolar.net	www.brsolar.net

### Certificate

ISO9001  
ISO14001  
CE  
CGC  
TLC  
High and NEW  
Technology  
Products Certifica-tion

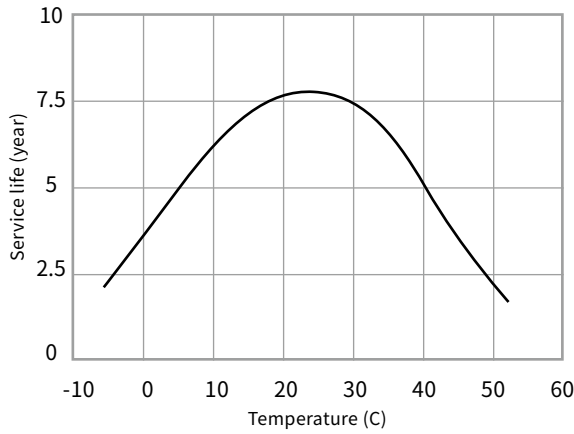




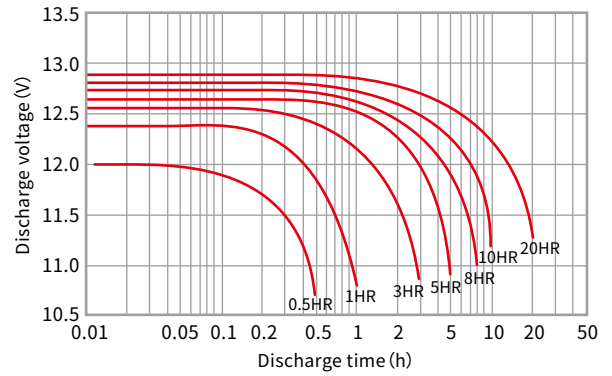
## Performance characteristics

NOTE: The above data are average values, and can be obtained within 3 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice.

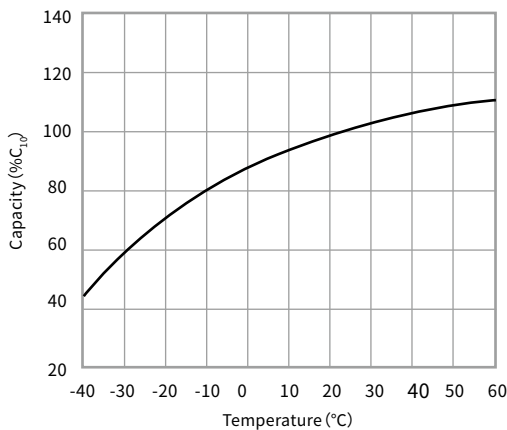
### Temperature and service life



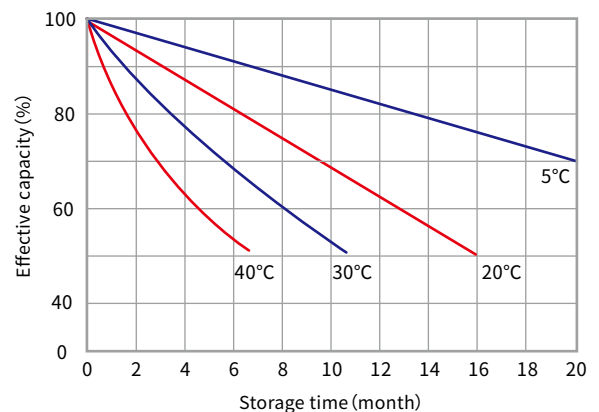
### Discharge performance at different discharge rates (25°C/77°F)



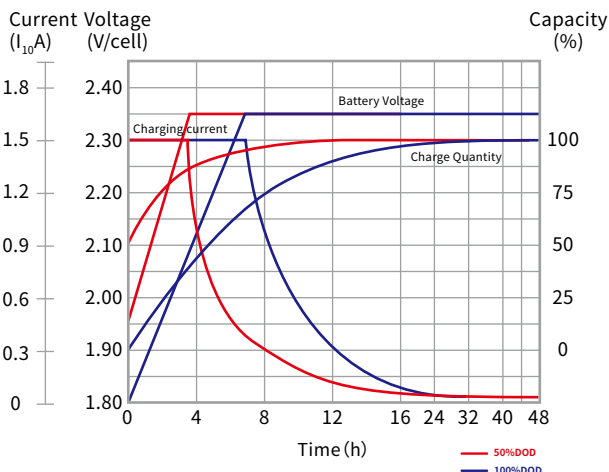
### Temperature and discharge capacity



### Self discharge parameters characteristics



### Constant-potential charge



### Cycle Service Life (25°C/77°F)

