

Advantages

- Deep cycle for solar application
- Good large current discharge performance
- High gas recombination efficiency
- Maximum charge efficiency
- Low self-discharge rate
- Easy installation and handling

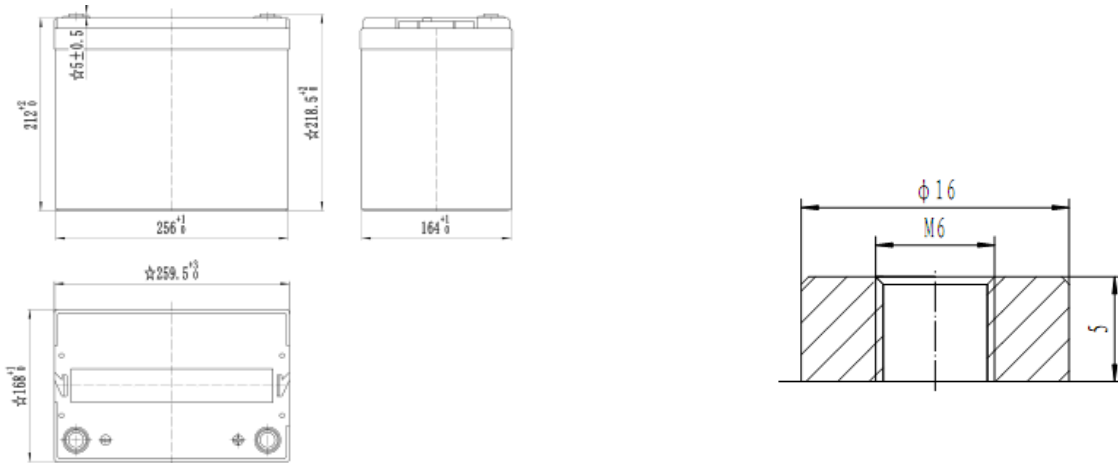
Application

- Electrical Vehicle
- Renewable energy
- universal

Standards

- IEC60896-21/22:2004
- IEC61427-2005
- Eurobat guide
- Installation compliant with EN50272-2

Drawing



Specification

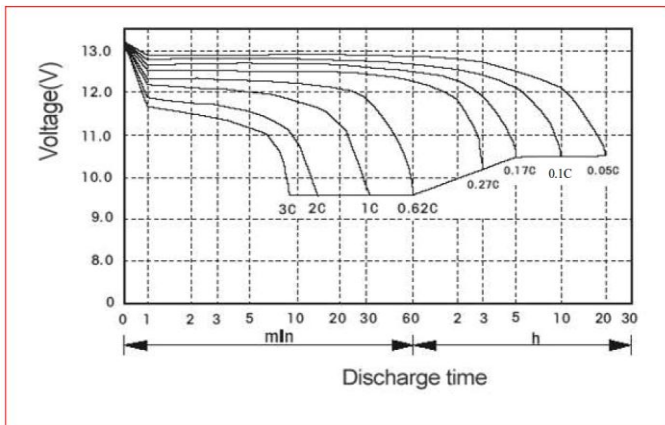
Battery Model	SDC 12-90			
Design Life (year, 25°C)	10			
Capacity (Ah, 25°C)	20HR(4.75A,1.75V)	10HR(9.0A,1.75V)	5HR(17A,1.75V)	3HR(26.67A,1.75V)
	95	90	85	80
Dimensions (mm)	Length	Width	Height	Total Height
	261	168	212	219
Approx. Weight (kg)	26.5			
Internal Resistance (mΩ)	6.0			
Maximum Discharge Current (A/10 Sec.)	720			
Self-Discharge (25°C)	≤3% per months			
Charge Voltage(V, 25°C)	Cycle use		Float use	
	14.7(-18mV/°C), max charge current:12A		14.1(-18mV/°C)	

Discharge Data

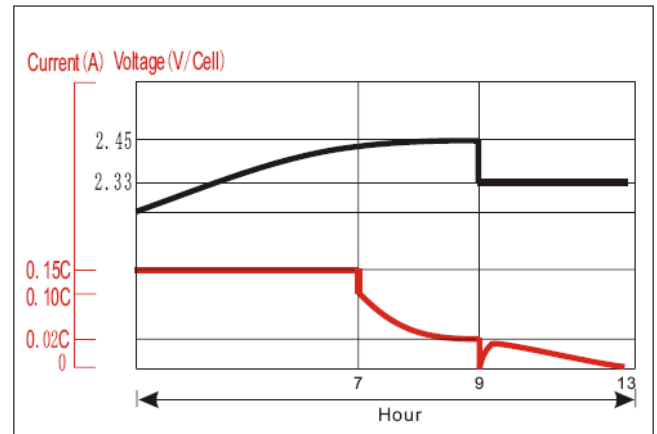
Constant current discharge data (25°C , A)											
End voltage (V/cell)	10min	20min	30min	45min	60min	90min	2h	3h	5h	10h	20h
1.60	257.9	151.8	110.2	79.44	63.88	46.25	37.04	27.31	17.35	9.25	4.814
1.65	252.3	149.1	108.6	78.41	63.08	45.75	36.70	27.10	17.22	9.19	4.790
1.70	245.6	146.0	106.5	76.99	62.21	45.24	36.32	26.88	17.11	9.14	4.769
1.75	238.7	142.8	104.6	75.87	61.42	44.76	36.00	26.67	17.00	9.00	4.750

Constant power discharge data (25°C , W/cell)											
End voltage (V/cell)	10min	20min	30min	45min	60min	90min	2h	3h	5h	10h	20h
1.60	453.1	273.4	202.6	148.3	120.9	88.7	71.57	53.20	34.01	18.26	9.55
1.65	451.3	272.7	202.1	148.0	120.4	88.2	71.34	53.07	33.93	18.22	9.53
1.70	445.6	270.2	200.2	146.8	119.8	87.9	71.14	53.01	33.90	18.20	9.53
1.75	439.0	267.6	198.9	146.1	119.3	87.7	70.99	52.87	33.84	18.17	9.51

Performance Curve:



Discharge performance



Charge performance

Sacred Sun Power Sources Co., Ltd.

No.1 Shengyang Road, Qufu City, PRC

Website: www.sacredsun.com

Sacred Sun Asia Pacific

GF, 14th Floor, Xinbaohui Building, Nanhai

Boulevard, Nanshan, Shenzhen, PRC.

Sacred Sun Europe SPRL

Paul Dejaerlaan 4b, B 1060 Brussel,

Belgium

