

### 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

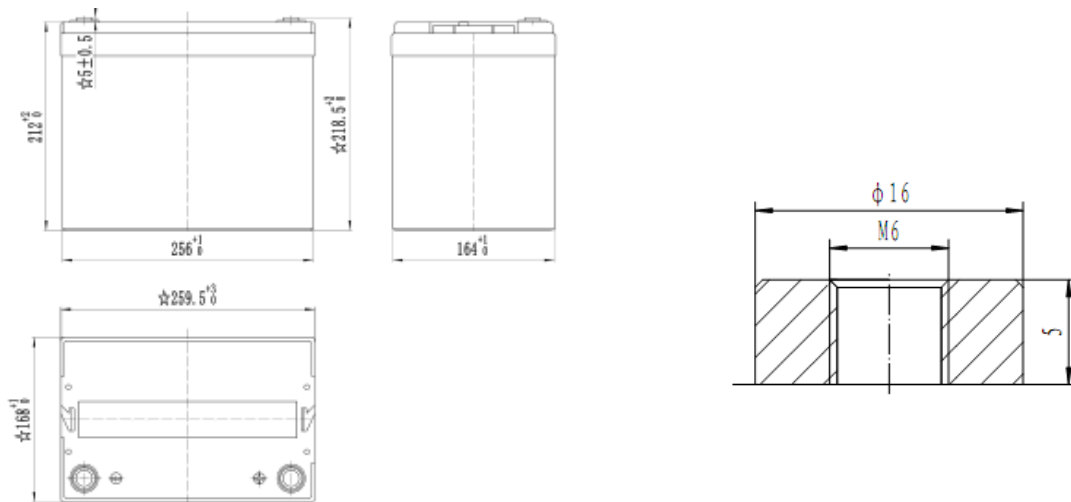
### Application

- Electrical Vehicle
- Renewable energy
- universal

### Standards

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

### Drawing



### Specification

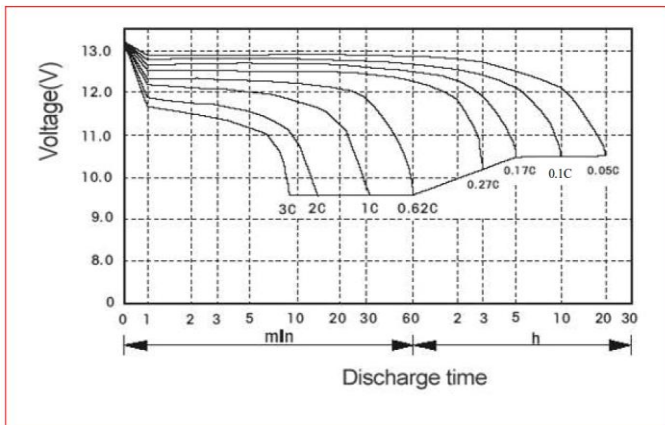
Battery Model	SDC 12-75			
Design Life (year, 25°C)	10			
Capacity (Ah, 25°C)	20HR(3.9A,1.75V)	10HR(7.5A,1.75V)	5HR(14A,1.75V)	3HR(20A,1.75V)
	78	75	70	60
Dimensions (mm)	Length	Width	Height	Total Height
	261	168	212	219
Approx. Weight (kg)	24.0			
Internal Resistance (mΩ)	7.0			
Maximum Discharge Current (A/10 Sec.)	540			
Self-Discharge (25°C)	≤3% per months			
Charge Voltage (V, 25°C)	Cycle use		Float use	
	14.7 (-18mV/°C), max charge current:10A		14.1 (-18mV/°C)	

### Discharge Data

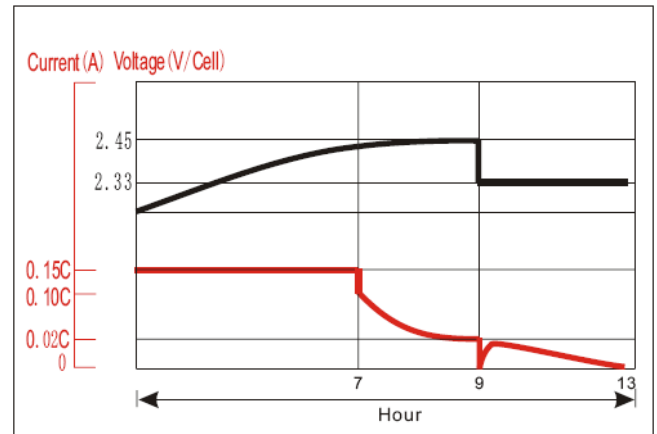
Constant current discharge data (25°C , A)											
End voltage (V/cell)	10min	20min	30min	45min	60min	90min	2h	3h	5h	10h	20h
1.60	166.8	99.72	77.84	58.90	45.79	33.28	28.35	20.20	14.11	7.546	3.920
1.65	163.3	98.15	77.16	58.59	45.63	33.18	28.27	20.14	14.07	7.524	3.909
1.70	159.7	97.02	76.81	58.38	45.49	33.09	28.20	20.10	14.04	7.515	3.906
1.75	156.6	95.40	75.60	57.60	45.00	32.80	28.00	20.00	14.00	7.500	3.900

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	302.6	186.9	149.0	114.0	89.31	65.24	55.78	39.94	28.03	15.06	7.861
1.65	301.0	185.4	148.5	113.9	89.28	65.21	55.83	39.95	28.04	15.05	7.859
1.70	297.6	184.6	148.4	113.9	89.31	65.23	55.84	39.99	28.05	15.08	7.870
1.75	294.1	182.5	146.6	112.7	88.61	64.85	55.64	39.90	28.03	15.08	7.871

### Performance Curve:



Discharge performance



Charge performance

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