

42-12 | 12V 42AH

Application:

- ▶ UPS system and emergency power supply
- ▶ Telecommunication systems
- ▶ Medical equipment
- ▶ Toys
- ▶ Motorcycles and bicycles
- ▶ Fire alarm systems and alarm systems



Specifications

Battery type	Lead acid,VARLA, with AGM technology, flame retardant ABS plastic cover
Rated voltage	12V
Approximate weight	13.8 ±0.05Kg.
Life Span	5 Years
Internal resistance	Less than 10 mΩ at 20°C
Self-discharge rate	3% of rated power per month (at 20°C)

Rated power		Size		Constant voltage charging at 25°C	Temperature range
20 hours(10.5 V)	43.8 ampere per hour	Length	196 MM	Charge cycle: 2.40-2.45 V	Discharge: -20 to 60 ° C
10 hours(10.5 V)	42 ampere per hour	Width	165 MM	Temperature compensation: -5mV/°C	Charge: -10 to 60 ° C
5 hours(10.5 V)	40.1 ampere per hour	Height	150 MM	Battery backup: 2.25-2.30 V	Storage: -20 to 60 ° C
1 hours(9.6 V)	26.84 ampere per hour	Total height	170 MM	Temperature compensation: -3mV/° C	

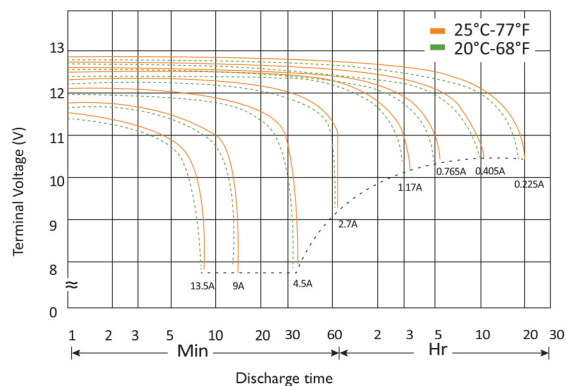
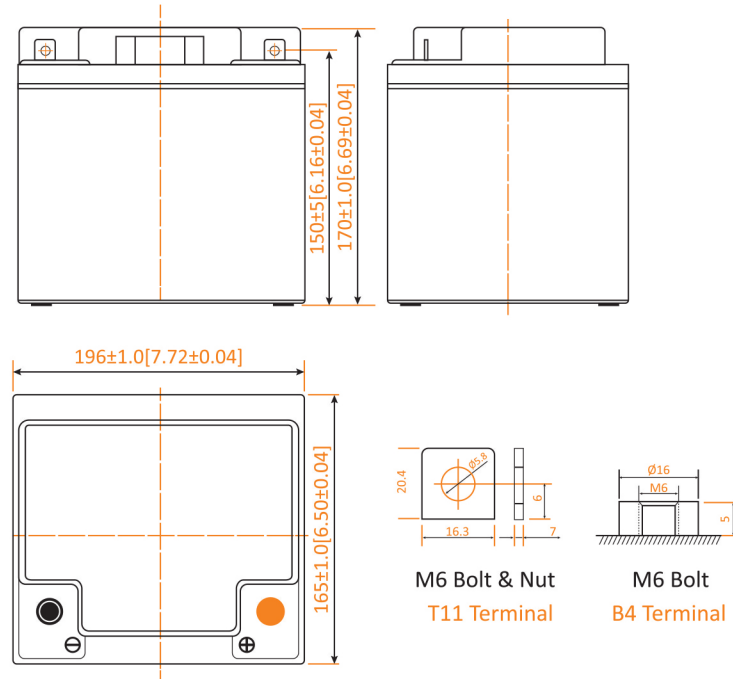
Continuous discharge current at 25°C

Discharge Voltage/Cell	15 Min	30 Min	1 hour	3 hour	5 hour	10 hour	20 hour
1.60 V	112	46.00	25.9	11.3	7.9	4.20	2.25
1.65 V	108	45.1	25.4	11.1	7.8	4.15	2.22
1.70 V	100	44.0	24.8	10.9	7.7	4.10	2.18
1.75 V	84	41.6	24.2	10.6	7.5	4.00	2.10
1.80 V	72	36.0	23.5	10.4	7.4	3.98	2.09

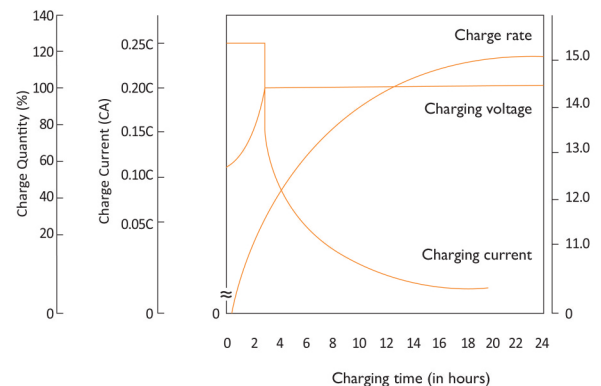
Continuous discharge power at 25°C

Discharge Voltage/Cell	15 Min	30 Min	45 Min	1 hour	3 hour	5 hour	10 hour
1.60V	148	89.1	62.4	50	19.4	13.2	7.32
1.65V	139	86	61.6	49.1	19.3	13.1	7.29
1.70V	132	82	60.9	49.1	19.3	13.1	7.29
1.75V	126	77.1	60.0	48.4	19.0	13.1	7.20
1.80V	118	66.9	59.1	47.6	18.6	13.0	7.09

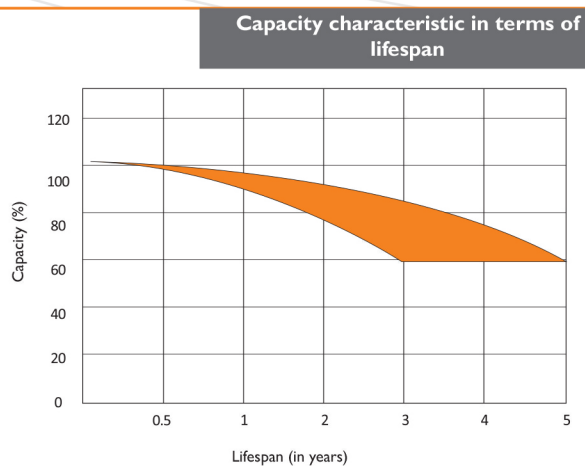
Product schematic



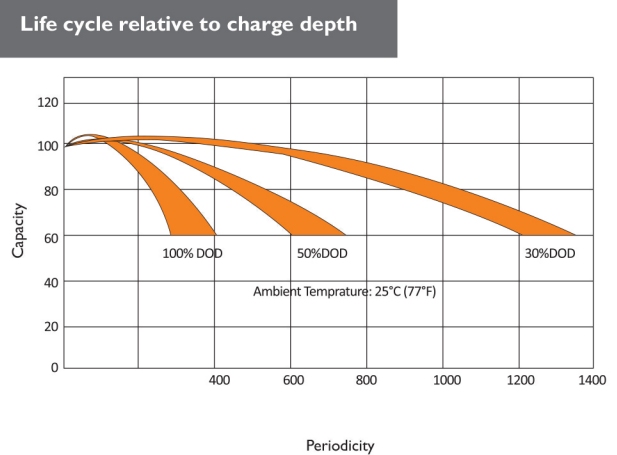
Discharge characteristic (25°C)



Charging characteristic (25°C)



Capacity characteristic in terms of lifespan



Life cycle relative to charge depth