

## 100-12 | 12V 100AH

### Application:

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



### Specifications

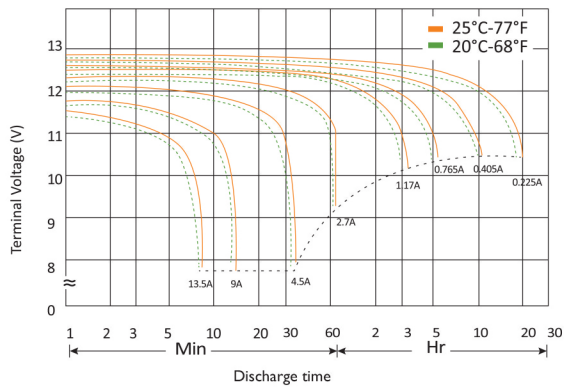
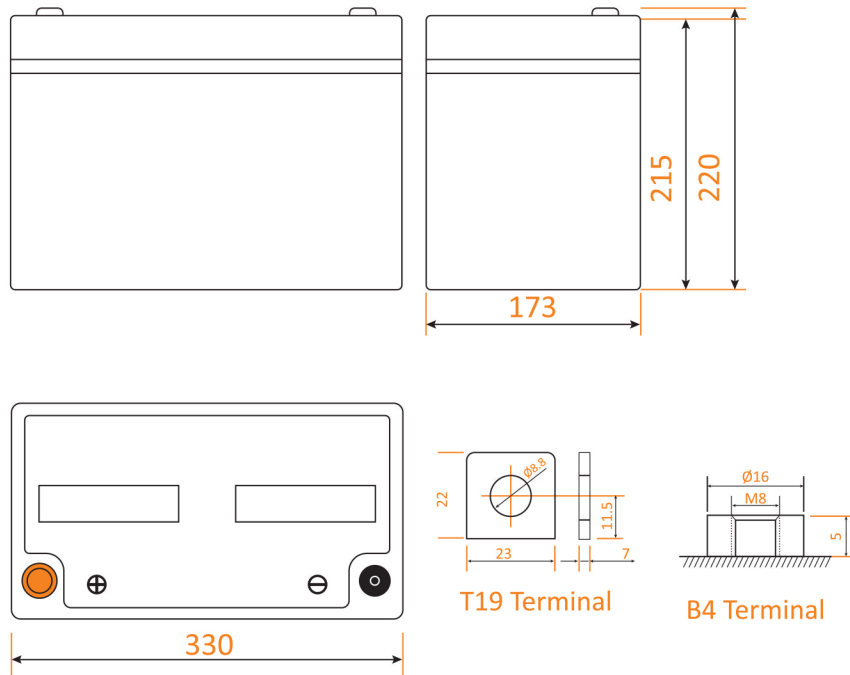
Battery type	Lead acid,VARLA, with AGM technology, flame retardant ABS plastic cover
Rated voltage	12V
Approximate weight	30 ± 0.3Kg.
Life Span	5 Years
Internal resistance	Less than 6.5 mΩ at 20°C
Self-discharge rate	3% of rated power per month (at 20°C)

Rated power		Size		Constant voltage charging at 25°C	Temperature range
20 hours(10.5V)	100 ampere per hour	Length	330 MM	Charge cycle: 2.40-2.45 V	Discharge: -20 to 60 ° C
10 hours(10.5V)	93 ampere per hour	Width	173 MM	Temperature compensation: -5mV/°C	Charge: -10 to 60 ° C
5 hours(10.5V)	80 ampere per hour	Height	215 MM	Battery backup: 2.25-2.30 V	Storage: -20 to 60 ° C
1 hours(9.6V)	56 ampere per hour	Total height	220 MM	Temperature compensation: -3mV/° C	

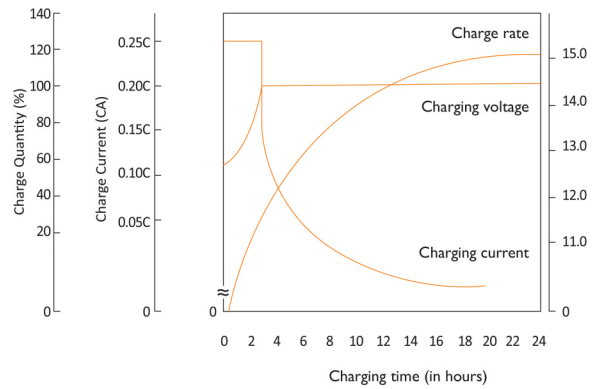
Continuous discharge current at 25°C							
Discharge Voltage/Cell	15 Min	30 Min	1 hour	3 hour	5 hour	10 hour	20 hour
1.60 V	200	115	65.0	25.3	17.2	10.3	5.55
1.65 V	190	113	64.5	25.2	17.1	10.2	5.45
1.70 V	180	110	64.0	25.6	17.0	10.1	5.30
1.75 V	170	104	63.0	24.8	17.0	10.0	5.25
1.80 V	160	90	62.0	24.7	16.8	9.9	5.20

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	368	223	156	125	52.8	35.8	20.3
1.65V	348	215	154	123	51.2	35.4	20.1
1.70V	332	205	152	122	50.9	35	20.0
1.75V	313	193	150	121	49.1	34.4	19.6
1.80V	295	171	148	119	48.5	34.0	19.1

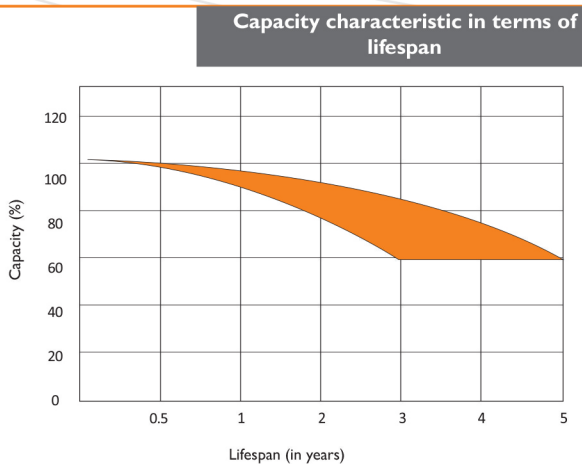
Product schematic



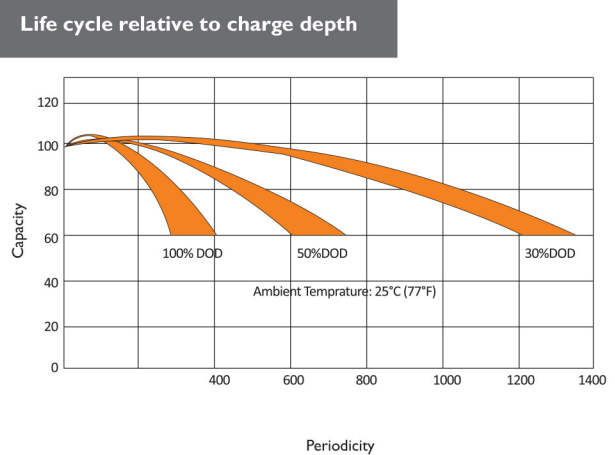
Discharge characteristic (25°C)



Charging characteristic (25°C)



Capacity characteristic in terms of lifespan



Life cycle relative to charge depth