

# VRLA Rechargeable Battery

## TP12-12

**YOUR BEST POWER SOURCE SOLUTIONS**

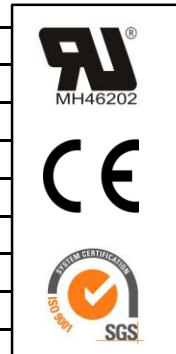
### FEATURES

TP12-12 is a general purpose battery with 3~5 years service life under normal float charge at 25°C. LCB batteries are rechargeable Seal Lead highly efficient, leak proof and maintenance free.

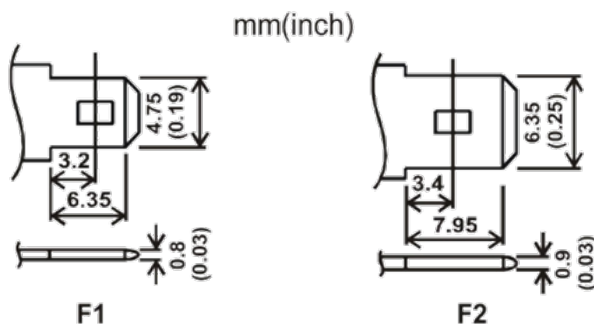
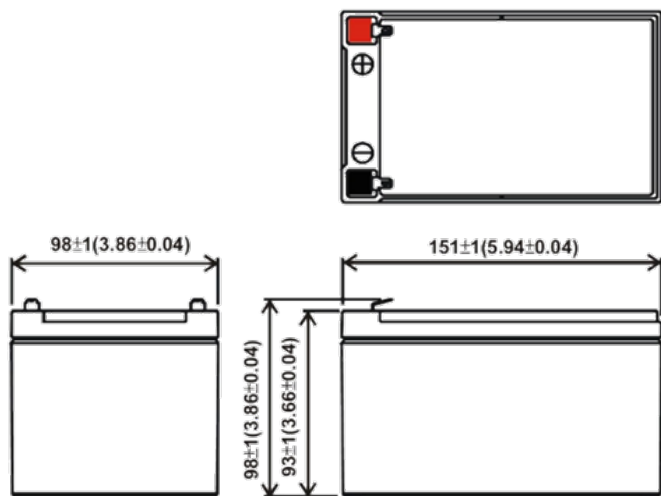


### SPECIFICATION

<b>Cell per unit</b>	6	<b>Ambient temperature</b>	
<b>Nominal Voltage (V)</b>	12	Charge	0°C(32°F) to 40°C (104°F)
<b>Nominal Capacity (Ah)</b>	12Ah @ 20hour rate F.V(1.75/Cell)	Discharge	-15°C(5°F) to 50°C (122°F)
<b>Weight</b>	Approx 3.95 kg(8.71Lbs.)	Storage	-15°C(5°F) to 40°C (104°F)
<b>Internal Resistance (1KHz)</b>	12mΩ	<b>Max charge Current</b>	
<b>Max Discharge Current (5s)</b>	240A (5s)	<b>Cycle use :</b>	Max charge current : 3.6A
<b>Battery Life :</b>	Stand by : 3~5 years	Charge voltage:	14.4V to 15.0V
<b>Terminal Type</b>	F1/F2	<b>Stand by :</b>	Charge voltage: 13.5V to 13.8V
<b>Container Material</b>	ABS(Option : 94-HB & 94V-0 flame retardant case)		



DIMENSIONS	Length	Width	Height	Total Height
Unit: mm	151±1	98±1	93±1	98±1
Unit: inch	5.94±0.04	3.86±0.04	3.66±0.04	3.86±0.04



### Constant current discharge characteristics Unit:A(25°C77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	47.8	22.0	13.40	7.20	3.80	3.35	2.21	1.38	1.22	0.67
1.67V	44.3	21.3	12.90	7.13	3.78	3.17	2.16	1.38	1.20	0.66
1.70V	41.0	20.7	11.70	6.86	3.65	3.00	2.11	1.37	1.16	0.64
1.75V	40.5	20.0	11.10	6.72	3.62	2.93	2.05	1.36	1.14	0.61
1.80V	35.9	18.2	10.30	6.26	3.58	2.86	2.02	1.36	1.13	0.60

### Constant power discharge characteristics Unit:W(25°C77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	576.0	288.0	166.8	93.60	52.00	36.40	24.70	15.40	13.90	8.02
1.67V	556.6	273.8	164.4	92.40	51.70	36.30	24.70	15.40	13.90	8.02
1.70V	533.5	270.6	161.4	91.80	51.50	36.00	24.60	15.30	13.80	7.90
1.75V	502.1	261.6	157.2	90.00	50.70	35.70	24.40	15.20	13.80	7.90
1.80V	433.0	246.2	152.4	87.00	50.00	34.90	24.10	15.00	13.60	7.83