

# VRLA Rechargeable Battery

## TP12-3.5

YOUR BEST POWER SOURCE SOLUTIONS

### FEATURES

TP12-3.5 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.

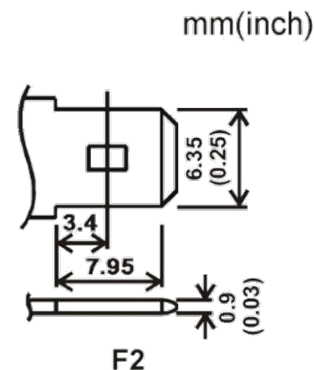
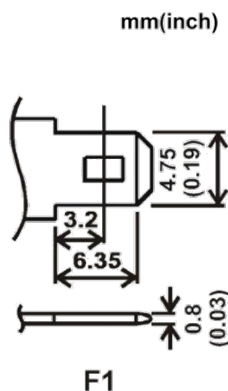
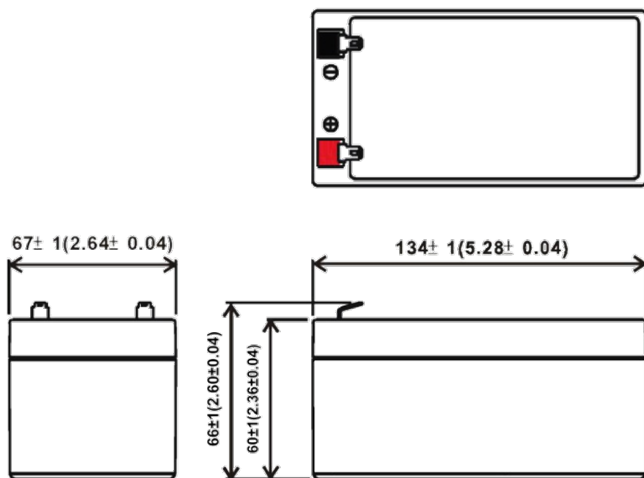


### SPECIFICATION

Cell per unit	6	Ambient temperature	
Nominal Voltage (V)	12	Charge	0°C (32°F) to 40°C (104°F)
Nominal Capacity (Ah)	3.5Ah @ 20hour rate F.V(1.75/cell)	Discharge	-15°C (5°F) to 50°C (122°F)
Weight	Approx.1.35kg(2.98Lbs.)	Storage	-15°C (5°F) to 40°C (104°F)
Internal Resistance (1KHz)	32mΩ	Max charge Current	
Max Discharge Current (5s)	54A	Cycle use :	Max charge current : 1.08A
Battery Life :	Stand by : 3~5 years	Charge voltage:	14.4 to 15.0V
Terminal Type	F1/F2	Stand by :	Charge voltage: 13.50 to 13.80V
Container Material	ABS(Option : 94-HB & 94V-0 flame retardant case)		



DIMENSIONS	Length	Width	Height	Total Height
Unit: mm	134±1	67±1	60±1	66±1
Unit: inch	5.28±0.04	2.64±0.04	2.36±0.04	2.60±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	15.42	7.35	4.11	2.29	1.19	0.88	0.60	0.41	0.34	0.176
1.67V	14.97	7.13	4.07	2.27	1.18	0.87	0.59	0.41	0.33	0.176
1.70V	14.26	7.00	3.95	2.25	1.17	0.86	0.59	0.41	0.33	0.176
1.75V	13.45	6.82	3.92	2.21	1.16	0.86	0.59	0.40	0.33	0.175
1.80V	11.40	6.50	3.77	2.14	1.16	0.85	0.59	0.40	0.33	0.175

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

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	163.20	81.60	46.92	26.52	15.10	10.33	7.02	4.90	3.90	2.05
1.67V	157.69	79.99	46.43	26.26	15.08	10.27	7.00	4.89	3.90	2.05
1.70V	151.16	78.19	45.80	25.95	15.00	10.20	6.97	4.88	3.90	2.05
1.75V	142.27	75.87	44.78	25.49	14.90	10.11	6.94	4.85	3.88	2.04
1.80V	122.93	72.52	43.13	24.75	14.55	9.91	6.83	4.82	3.82	2.00