

# VRLA Rechargeable Battery

## TP12-1.3

**YOUR BEST POWER SOURCE SOLUTIONS**

### FEATURES

TP12-1.3 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.

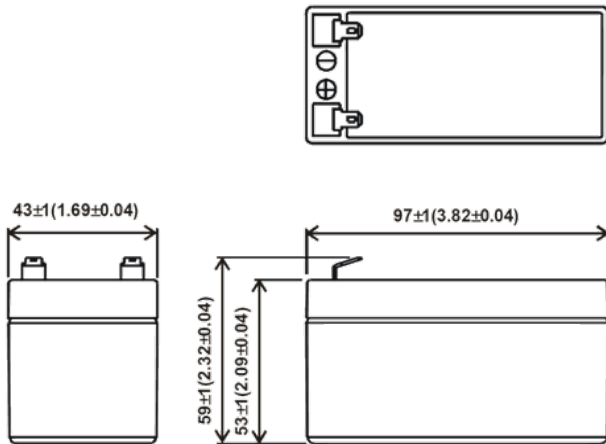


### SPECIFICATION

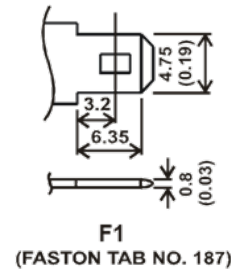
Cell per unit	6	Ambient temperature	
Nominal Voltage (V)	12	Charge	0°C(32°F) to 40°C (104°F)
Nominal Capacity (Ah)	1.3Ah @ 20hour rate F.V(1.75/Cell)	Discharge	-15°C(5°F) to 50°C (122°F)
Weight	Approx.0.62 kg(1.37Lbs.)	Storage	-15°C(5°F) to 40°C (104°F)
Internal Resistance (1KHz)	95mΩ	Max charge Current	
Max Discharge Current (5s)	19.5A (5s)	Cycle use :	Max charge current : 0.39A
Battery Life :	Stand by : 3~5 years	Charge voltage:	14.4 to 15.0V
Terminal Type	F1	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	97±1	43±1	53±1	59±1
Unit: inch	3.82±0.04	1.69±0.04	2.90±0.04	2.32±0.04



mm(inch)



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

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	5.08	2.39	1.45	0.78	0.45	0.40	0.25	0.18	0.14	0.07
1.67V	4.78	2.28	1.40	0.78	0.44	0.37	0.24	0.17	0.14	0.07
1.70V	4.37	2.25	1.27	0.77	0.42	0.33	0.23	0.17	0.14	0.07
1.75V	4.30	2.17	1.22	0.74	0.40	0.32	0.22	0.17	0.13	0.07
1.80V	3.82	1.97	1.14	0.73	0.40	0.31	0.22	0.16	0.13	0.07

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

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	56.10	29.60	17.90	10.00	5.38	4.00	2.70	1.63	1.56	0.90
1.67V	54.60	28.80	17.70	9.90	5.34	4.00	2.70	1.61	1.50	0.84
1.70V	53.00	28.00	17.50	9.80	5.26	3.90	2.70	1.61	1.50	0.84
1.75V	50.70	27.30	17.10	9.60	5.16	3.84	2.64	1.59	1.50	0.84
1.80V	48.30	25.70	16.30	9.30	5.00	3.72	2.58	1.54	1.44	0.78