

# VRLA Rechargeable Battery

## TP12-45

**YOUR BEST POWER SOURCE SOLUTIONS**

### FEATURES

TP12-45 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.

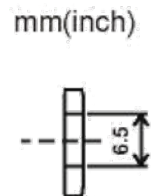
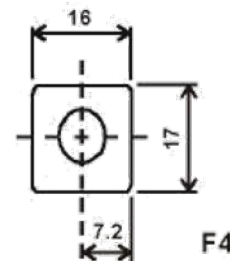
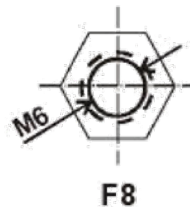
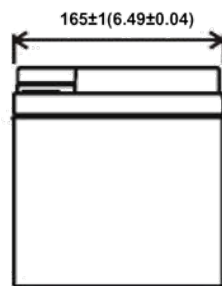
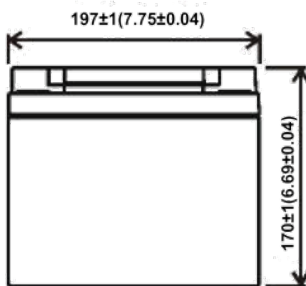
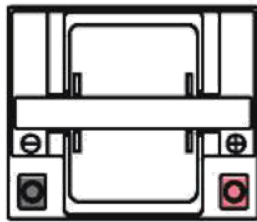


### SPECIFICATION

Cell per unit	6	Ambient temperature
Nominal Voltage (V)	12	Charge 0°C(32°F) to 40°C (104°F)
Nominal Capacity (Ah)	50Ah @ 20hour rate F.V(1.75/Cell)	Discharge -15°C(5°F) to 50°C (122°F)
Weight	Approx 14.62kg(32.22Lbs.)	Storage -15°C(5°F) to 40°C (104°F)
Internal Resistance (1KHz)	9.0mΩ	Max charge Current
Max Discharge Current (5s)	540A (5s)	Cycle use : Max charge current : 13.5A
Battery Life :	Stand by :3~5 years	Charge voltage: 14.4V to 15.0V
Terminal Type	NB(F4)/IT(F8)	Stand by : Charge voltage: 13.5V to 13.8V
Container Material	ABS(Option : 94-HB & 94V-0 flame retardant case)	



DIMENSIONS	Length	Width	Height	Total Height
Unit: mm	197±1	165±1	170±1	170±1
Unit: inch	7.76±0.04	6.50±0.04	6.69±0.04	6.69±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	190.00	82.50	45.00	27.50	16.90	12.90	8.44	5.58	4.73	2.45
1.67V	188.00	77.10	44.00	26.50	16.30	12.50	8.17	5.53	7.68	2.44
1.70V	186.00	72.60	43.60	25.60	15.90	12.00	7.95	5.44	4.59	2.41
1.75V	170.00	68.00	41.90	24.90	15.30	11.70	7.74	5.36	4.55	2.36
1.80V	153.00	62.20	40.40	23.80	14.70	11.50	7.56	5.27	4.50	2.34

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

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	2000.0	980.0	531.6	338.0	178.0	148.2	97.80	65.40	55.86	28.98
1.67V	1950.0	960.0	507.0	331.0	175.0	144.6	94.80	64.80	55.32	28.86
1.70V	1932.0	945.0	484.8	321.0	173.0	139.2	92.40	64.20	54.30	28.50
1.75V	1880.0	900.0	468.6	310.0	165.0	135.6	90.60	63.00	53.82	28.02
1.80V	1600.0	801.0	454.8	302.0	162.0	133.8	88.20	62.40	53.34	27.78