

# VRLA Rechargeable Battery

## TP12-100

YOUR BEST POWER SOURCE SOLUTIONS



### FEATURES

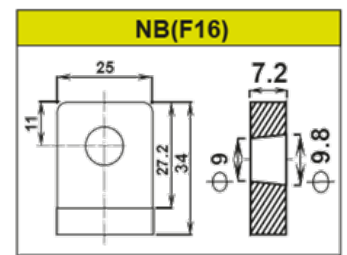
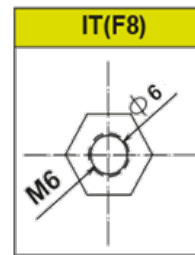
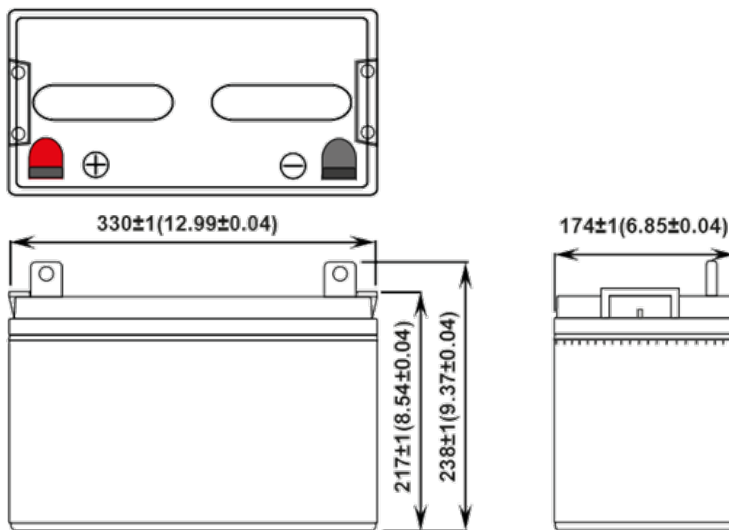
TP12-100 is a general purpose battery with 3~5 years service life under normal float charge at 25°C. LCB batteries are rechargeable Seal Lead highly efficient, leak proof and maintenance free.

### SPECIFICATION

Cell per unit	6	Ambient temperature	
Nominal Voltage (V)	12	Charge	0°C (32°F) to 40°C (104°F)
Nominal Capacity (Ah)	110Ah @ 20hour rate F.V(1.75/Cell)	Discharge	-15°C (5°F) to 50°C (122°F)
Weight	Approx 30.9kg(68.12Lbs.)	Storage	-15°C (5°F) to 40°C (104°F)
Internal Resistance (1KHz)	5mΩ	Max charge Current	
Max Discharge Current (5s)	1000A (5s)	Cycle use :	Max charge current : 33A
Battery Life :	Stand by :3~5 years		Charge voltage: 14.4V to 15.0V
Terminal Type	IT(F8)/NB(F16)	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	330±1	174±1	217±1	238±1
Unit: inch	12.99±0.04	6.85±0.04	8.54±0.04	9.37±0.04



### Constant current discharge characteristics Unit:A(25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	363.8	191.3	112.3	63.1	36.4	26.77	18.04	12.32	10.19	5.47
1.67V	335.6	180.0	99.9	61.1	35.2	25.32	17.75	12.22	9.99	5.36
1.70V	325.9	169.2	98.0	58.6	34.2	24.93	17.36	12.03	9.89	5.32
1.75V	295.9	157.1	89.3	56.3	31.5	24.06	17.07	11.83	9.80	5.22
1.80V	259.0	145.5	69.1	54.2	25.0	22.99	16.68	11.64	9.70	5.10

### Constant power discharge characteristics Unit:W(25°C 77°F)

F.V/Time	5MIN	15MIN	30MIN	60MIN	2HR	3HR	5HR	8HR	10HR	20HR
1.60V	3800	2200.0	1216.0	747.0	453.0	324.0	208.9	144.3	127.07	64.38
1.67V	3600	2055.0	1147.0	738.0	437.0	318.0	205.4	143.2	123.19	63.84
1.70V	3503	1995.0	1126.0	731.0	431.0	313.0	202.5	141.4	121.25	63.24
1.75V	3292	1750.0	1085.0	714.0	422.0	311.0	199.6	139.7	116.40	62.70
1.80V	3071	1800.0	1031.0	696.0	416.0	298.0	195.6	137.9	111.55	61.74