



Float Charge Voltage vs Temperature Table Chart

Float Voltage is the voltage at which the battery is maintained after being fully charged to maintain that capacity by compensating for self-discharge of the battery. Float Voltage of 2.23-2.28 volts per cell is calculated at an ambient temperature of 25°C. To achieve nominal performance characteristics, it is recommended to adjust this value to suit the ambient temperature as indicated in the following table chart

Temperature		Float Charge Voltage					
°C	°F	Volts per Cell		Volts per 6V battery		Volts per 12V battery	
-12°C	10°F	2.36	– 2.40	7.08	– 7.20	14.16	– 14.40
-5°C	25°F	2.33	– 2.38	6.99	– 7.14	13.98	– 14.28
0°C	32°F	2.31	– 2.36	6.93	– 7.08	13.86	– 14.16
10°C	50°F	2.28	– 2.33	6.84	– 6.99	13.68	– 13.98
20°C	70°F	2.25	– 2.30	6.75	– 6.90	13.50	– 13.80
25°C	75°F	2.23	– 2.28	6.69	– 6.84	13.38	– 13.68
30°C	85°F	2.22	– 2.27	6.66	– 6.81	13.32	– 13.62
35°C	95°F	2.20	– 2.25	6.60	– 6.75	13.20	– 13.50
40°C	104°F	2.18	– 2.23	6.54	– 6.69	13.08	– 13.38