

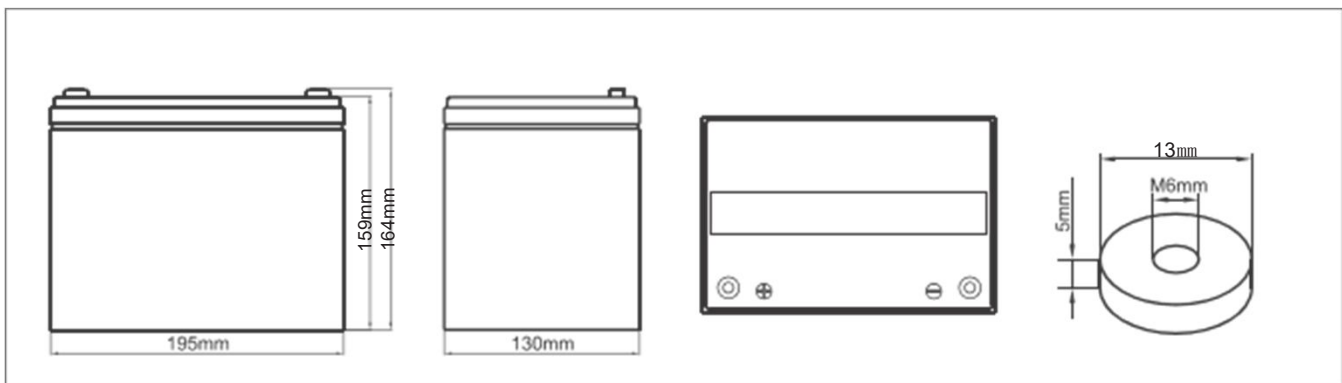
TECHNICAL SPECIFICATIONS

Nominal Voltage (V)	12 (6 cells per unit)
Designed Floating Life (20 C)	8 Years
Nominal Capacity (20 C)	44 Ah @ 20HR-rate (to 1.75Vpc)
Dimension (mm)	1195mm x W130mm x H164mm
Approx. Weight	11.5kg
Terminal Type	Female Copper Insert M6 (torque:6~7N.m)
Internal Resistance	Approx.0.010hm(fully charged) @25°C
Max. Charge Current	8.25A
Max. Discharge Current (5S)	400A
Short Circuit Current	1200A
Self Discharge	Approx. 3% per month @ 20°C
Ambient Temperature	Discharge: -15~55°C Charge: -15~45°C Storage: -15~45°C
Float Charge Voltage (20~25°C)	13.6-13.8V (-3mV/cell/ °C)
Equalize and cycle Use Charge Voltage (20~25°C)	14.4-14.8V (-5mV/ cell / °C)
Container Material	ABS (UL94-V0 optional)



ISO14001 ISO9001

BATTERY DIMENSIONS



BATTERY DISCHARGE TABLE

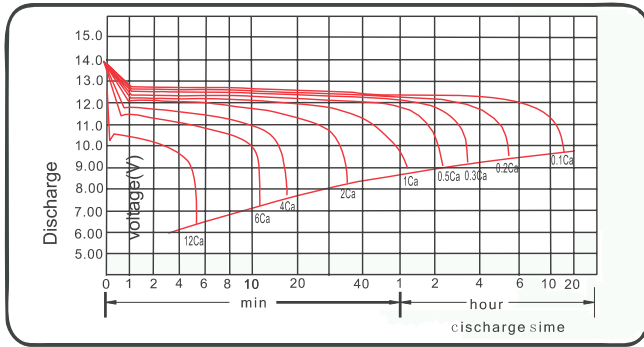
Constand current discharge(25°C)

F. V/Time	1HR		3HR		5HR		10HR		20HR	
	current (Amps)	capacity (Ah)	current (Amps)	capacity (Ah)	current (Amps)	capacity (Ah)	current (Amps)	capacity (Ah)	current (Amps)	capacity (Ah)
1.75V	24.5	24.5	11	33	7.2	36	3.9	39	2.2	44

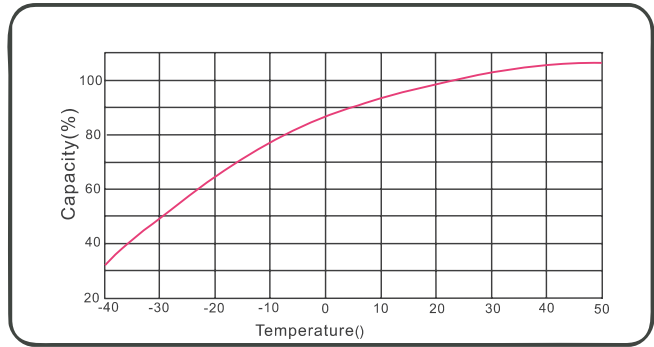
Note The above data are average values, and can be obtained within 5 charge/discharge cycles. These are not minimum values. Cell and battery designs/specifications are subject to modification without notice. Contact **Setronic** for the latest information.

CHARACTERISTICS

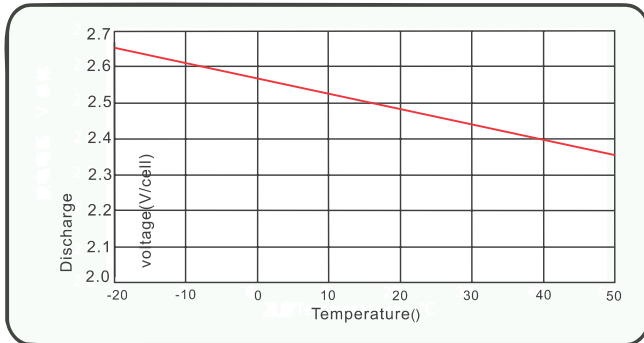
Charge Characteristic



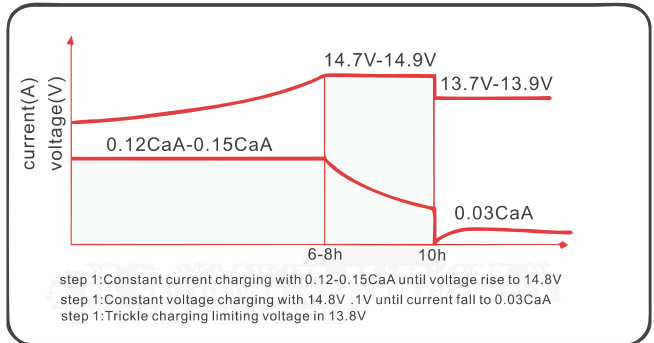
Effect of temperatur on capacity



Effect of temperatur on charge Voltage



Charge Characteristic Curve



Cycle service life

