

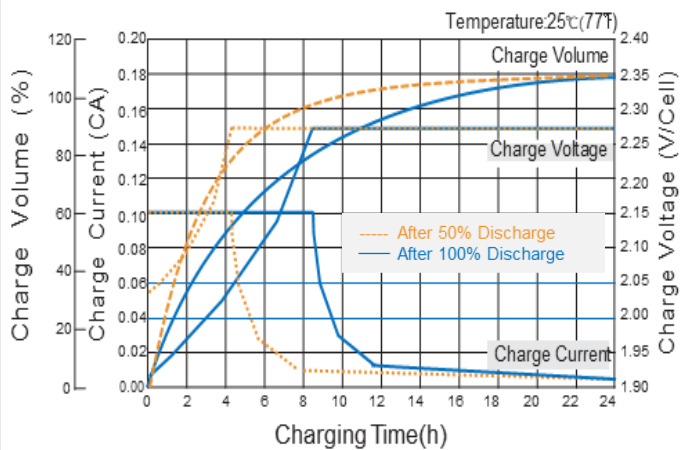
Valve-regulated lead acid (VRLA) battery with absorbed glass mat (AGM) technology provides high economic performance.

Suitable for various applications such as security system, emergency lighting and other general stand-by power applications.



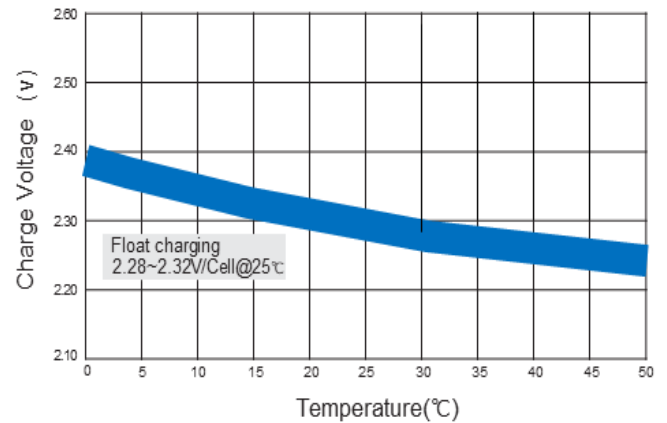
BATTERY MODEL	TERMINAL	CASE MATERIAL
NE18-12	M5 Bolt Fastened (F3) M5 Inserted Type	ABS/UL94-HB
Nominal Voltage (V)		12
20-hr rate Capacity to 10.5V at 25°C (Ah)		18
10-hr rate Capacity to 10.5V at 25°C (Ah)		17
DIMENSIONS		
Length (mm)		181
Width (mm)		77
Height over terminals (mm)		167
Weight (kg)		4.85(±5.0%)
OPERATING TEMPERATURE RANGE		
Storage (in fully charged condition)		-15°C to + 40°C
Charge		-0°C to + 40°C
Discharge		-15°C to + 40°C
STORAGE		
Capacity loss per month at 25°C (% approx.)		3
*NE series batteries can be stored for up to six months at 25°C. During the storage, recharge the battery at least every six month.		
CHARGE VOLTAGE		
Float charge voltage at 25°C (V)/Battery		13.7-13.9
Float charge voltage temperature correction factor from standard 25°C (mV)/°C/Cell		-3
Cyclic (or Boost) charge voltage at 25°C (V)/Battery		14.6-14.8
Cyclic charge voltage temperature correction factor from standard 25°C (mV)/°C/Cell		-4
CHARGE CURRENT		
Maximum charge current (A)		5.4
DISCHARGE CURRENT		
Maximum continuous discharge current, 5 sec. (A)		180
Short circuit current (A)		750
IMPEDANCE		
Measured at 1 kHz (mΩ)		18
DESIGN LIFE		
YUVOLT design life at 25°C		up to 3 years

CHARGE CHARACTERISTICS

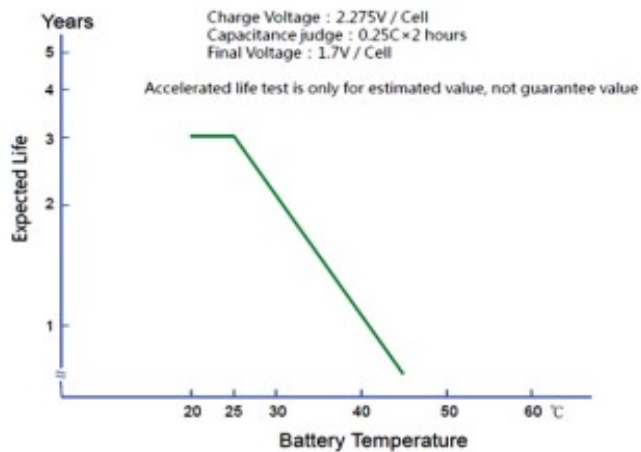


CHARGE VOLTAGE

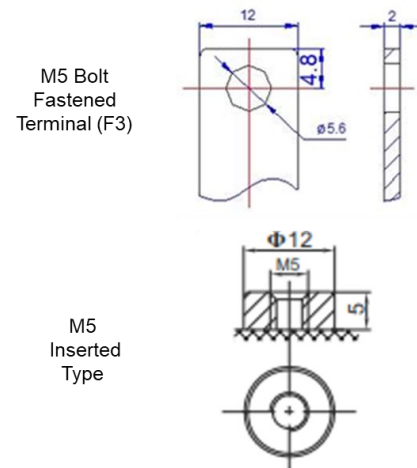
Relationship Between Temp and Charge Voltage



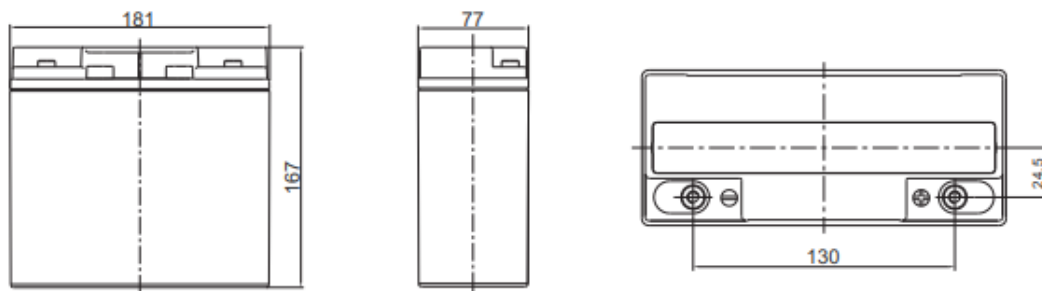
FLOAT SERVICE LIFE



TERMINALS



DIMENSIONS



*Please do not use this product for medical devices or medical purposes. It is not designed for these usages.

GS Yuasa International, Ltd.

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