



**POWER
STORAGE
SOLUTIONS**
"Power is at the center of everything we do"

12GX40F

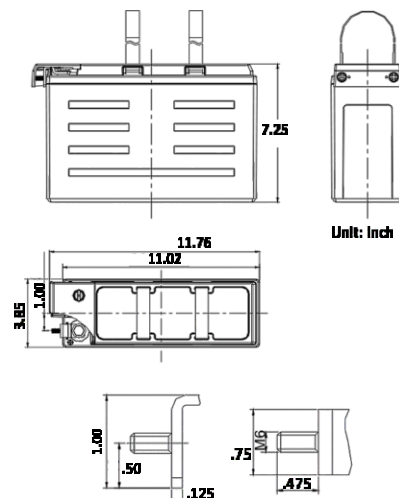


Specifications

Rated Voltage		12V
Nominal Capacity(C ₈ ,1.75V/cell)		38 Ah
Dimension	Length	11.76 inches (298.7mm ± 3mm)
	Length Base	11.02 inches (280mm)
	Width	3.82 inches (97mm)
	Container Height	7.25 inches (184mm)
Approx. Weight		27.5 lbs. (12.5 Kg)
Terminal		M6
Container Material		PC-ABS flame retardant jar and cover to UL94 V-0
Rated Capacity (25° C)	42.4 Ah	(20 hr, 2.12A,1.80V/cell)
	38.0 Ah	(8 hr, 4.75 A,1.75V/cell)
	32.4 Ah	(3hr, 10.8 A,1.75V/cell)
	27.2 Ah	(1 hr, 27.2A,1.67V/cell)
Max. Discharge Current		465A
Internal Resistance (25° C)		Approx. 4.9mΩ (fully charged)
Operating Temp. Range	Discharge	-40 ~ 65° C (-40 ~ 149° F)
	Charge	0 ~ 40° C (32 ~ 104° F)
	Storage	-20 ~ 40° C (-4 ~ 104° F)
Nominal Operating Temp. Range		77±5° F (25±3° C)
Max. Charging Current (25° C)		11.4 Amps
Charge Voltage (25° C)	Float	13.62 V
	Temp. Coefficient	-3mV/cell/°C
	Equalization	14.1 ~14.4V
Effect of temp. on capacity	40° C (104° F)	103%
	25° C (77° F)	100%
	0° C (32° F)	86%
Self Discharge	GX series batteries can be stored up to 24 months at 25°C(77°F), For higher temperatures the time interval will be shorter. Battery needs to be given a freshening charge when the OCV approaches 2.10V/cell or maximum storage time is reached, whichever comes first	

Premium ABS+PC jar and covers
Flame Retardant to UI94 V-0
High Rate performance
High Energy Density
20 Year Design Life (25° C)
High Quality AGM separators
minimize electrical resistance to
allow high current discharging

LAYOUT



Compliance with IEC 68096 standards, CE & UL Certified, Manufactured in OHSAS 18001, ISO 9001 and ISO 14001 certified production facilities

Constant Current Discharge (Amperes) at 25 ° C (77° F)

F.V/Time	15 Min	30 Min	45 Min	1 Hr	2 Hr	4 Hr	8 Hr
1.85V/cell	64.2	42.7	31.7	24.7	15.9	8.5	4.6
1.80V/cell	70.5	44.8	32.9	25.6	16.1	8.6	4.7
1.75V/cell	73.7	46.2	33.8	26.3	16.2	8.6	4.8
1.70V/cell	76.8	47.5	34.5	26.8	16.4	8.6	4.8
1.67V/cell	81.6	48.8	35.1	27.2	16.5	8.7	4.9
1.60V/cell	85.1	50.0	35.7	27.4	16.6	8.7	4.9