



EVG 6-400 (6V 400AH)

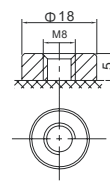
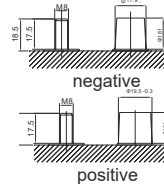
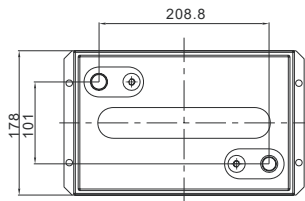
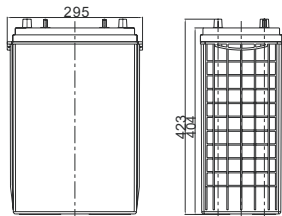
Specification

Cells Per Unit	3
Voltage Per Unit	6V
Capacity	400Ah@20hour-rate to 1.75V per cell @25°C
Weight	Approx. 57.0 Kg (Tolerance±5.0%)
Internal Resistance	≤1.8 mΩ (Full Charge Condition @25°C)
Terminal	Default F22(M8), F14(M8) Optional
Max. Discharge Current	4000A (5 sec)
Cold Cranking Ampere(CCA)	800A
Maximum Charging Current	120.0A
Reference Capacity	C3 300.0Ah
	C5 340.0Ah
	C10 380.0Ah
	C20 400.0Ah
Float Charging Voltage	6.80 V~6.90 V @ 25°C Temperature Compensation: -3mV/°C/Cell
Cycle Use Voltage	7.30 V~7.40 V @ 25°C Temperature Compensation: -4mV/°C/Cell
Operating Temperature Range	Discharge: -20°C~60°C
	Charge: 0°C~50°C
	Storage: -20°C~60°C
Normal Operating Temperature Range	25°C±5°C
Self Discharge	Valve Regulated Lead Acid (VRLA) batteries can be stored for up to 6 months at 25°C and then recharging is recommended. Monthly Self-discharge ratio is less than 3% at 25°C. Please charged batteries before using.
Container Material	A.B.S. UL94-HB, UL94-V0 Optional.

EVG (Electric Vehicle) series is specially designed for frequent discharge deep cycle application. By using the specially designed active material, strong grids and thick plate construction, the EVG series battery offers reliable performance in high load situations and could provide competitive cycle performance. It is suitable for Electric Vehicle and Golf cart, Floor Machines, Forklifts, Aerial lifts, Robotics, Marine, RV, Mobility and Medical Equipment, and most outdoor application.



Dimensions



Length	295±2mm (11.6 inches)
Width	178±2mm (7.01 inches)
Height	404±2mm (15.9 inches)
Total Height	423±2mm (16.7 inches)
Terminal	Value
M5	6~7 N*m
M6	8~10 N*m
M8	10~12 N*m

Unit: mm
If F22 terminal is selected, terminal torque : AP is 5.6~7.9 N*m / M8 Stud is 6.6~8.5N*m

Constant Current Discharge Characteristics : A(25°C)

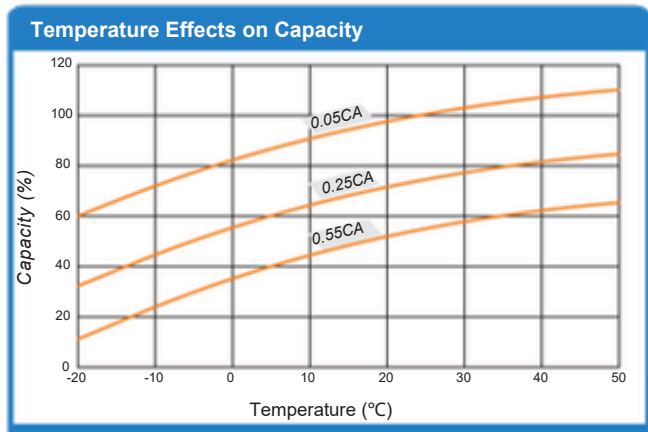
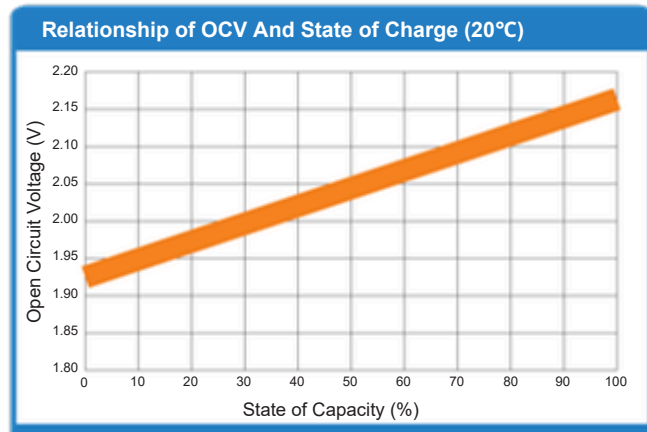
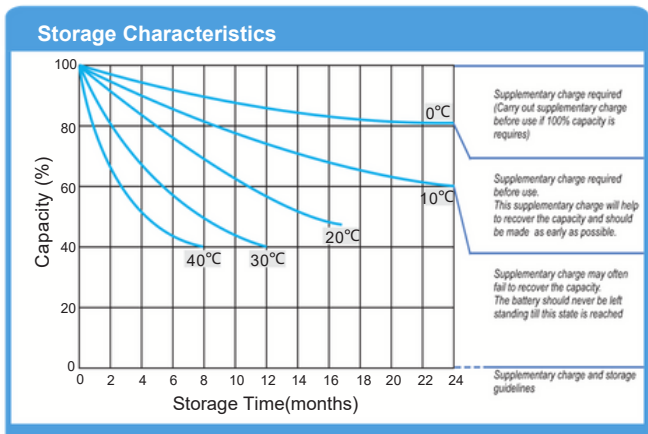
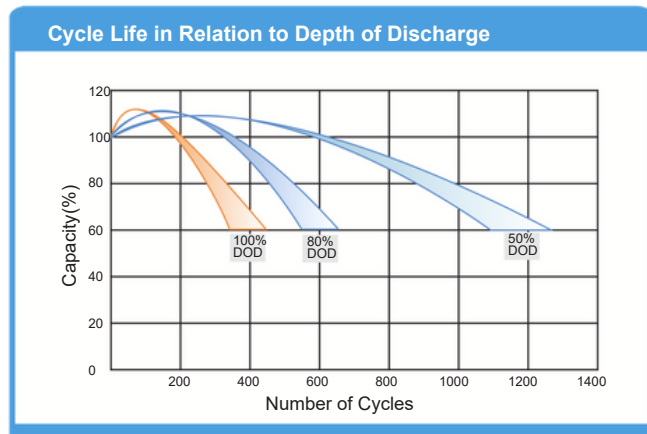
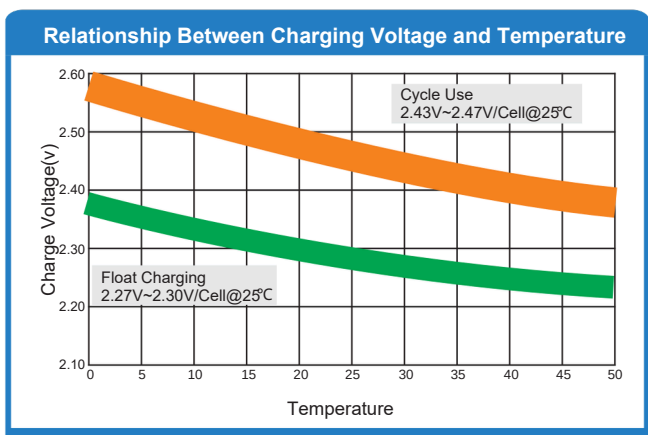
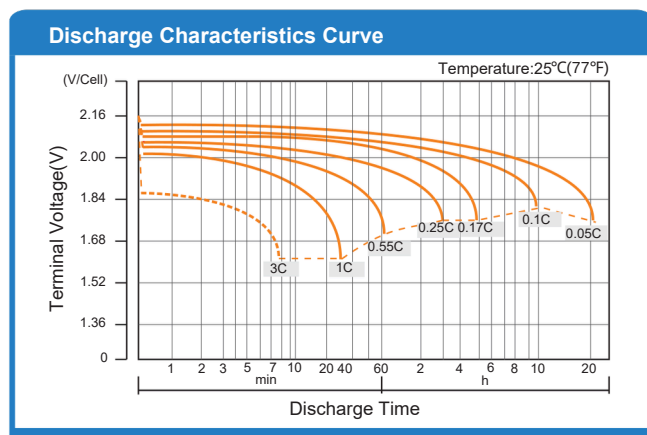
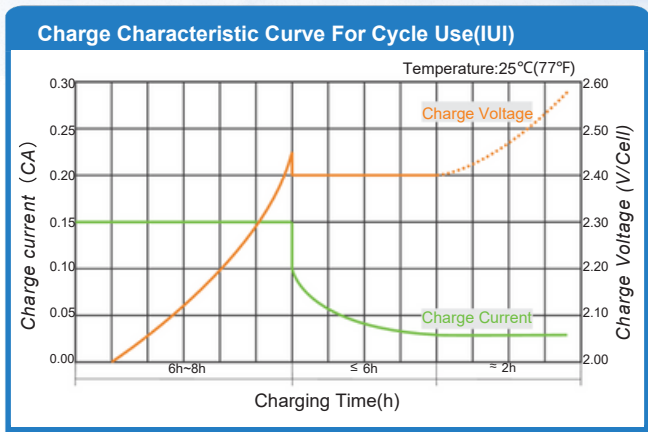
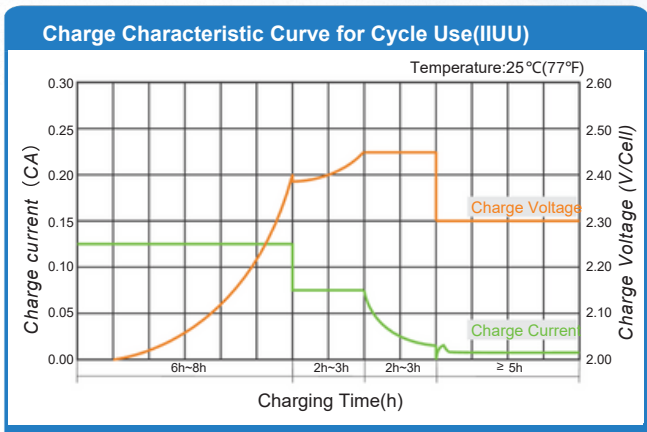
F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1. 60V	424.5	244.4	144.9	112.8	88.7	75.5	49.6	40.1	20.8
1. 65V	407.5	236.0	140.3	109.3	86.3	73.5	49.0	39.6	20.5
1. 70V	389.5	228.3	135.7	106.3	83.9	71.6	48.3	39.0	20.2
1. 75V	372.3	220.0	131.0	103.2	81.8	69.8	47.6	38.5	20.0
1. 80V	355.8	211.6	126.3	100.0	79.4	68.0	46.8	38.0	19.8
1. 85V	306.5	189.8	115.7	92.4	73.8	63.4	43.9	35.8	18.8

Constant Power Discharge Characteristics : WPC(25°C)

F.V/Time	30MIN	1HR	2HR	3HR	4HR	5HR	8HR	10HR	20HR
1. 60V	770.9	459.3	274.7	215.4	170.2	145.4	96.9	78.8	41.0
1. 65V	747.9	446.1	267.2	209.7	166.2	142.2	96.0	78.0	40.4
1. 70V	722.0	434.3	259.9	204.9	162.3	139.0	94.7	76.9	40.0
1. 75V	697.2	420.9	251.9	199.6	158.8	136.0	93.6	76.0	39.5
1. 80V	673.1	407.2	244.2	194.2	154.7	132.9	92.2	75.1	39.2
1. 85V	585.5	367.4	224.9	180.3	144.4	124.4	86.8	70.8	37.3

(Note) The above characteristics data are average values obtained within three charge/discharge cycle not the minimum values. The battery must be fully charged before the capacity test. The C20 should reach 95% after the first cycle and 100% after the third cycle. If F22 terminal is selected and the discharge current is more than 0.25C, the threaded terminal of terminal F22 shall not be used in connection, but the lead pole shall be connected.

CHALLENGER BATTERY



(Note) All above information shall be changed without prior notice, Accutrade reserves the right to explain and update the latest information.