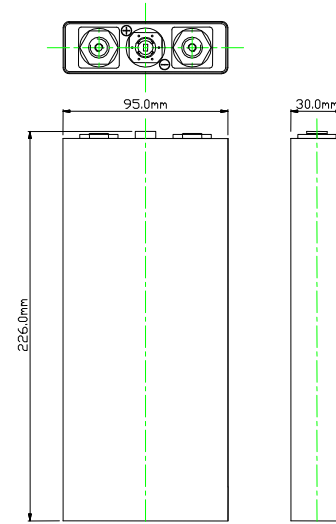
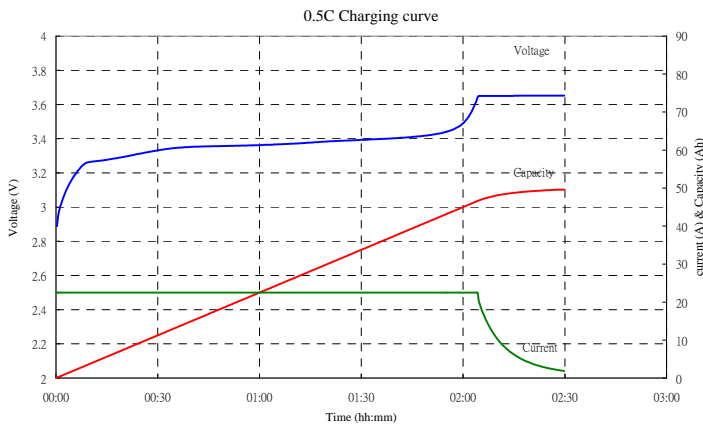


Type	: Rechargeable Lithium Ferro Phosphate Prismatic Batteries
Nominal Dimension	: T = 30.0mm +3/-0 H = 226.0mm +0/-2 W= 95mm +/-0.5
Nominal Voltage	: 3.2V
Capacity	: Min. 42Ah at 22.5A discharge to 2V at 20°C
Specific Energy	: 96Wh/kg at 0.5C discharge
Specific Power	: 459W/kg with 80% SOC at 5C 30sec.
Energy density	: 189Wh/L at 0.5C discharge
Power density	: 905W/L with 80% SOC at 5C 30sec.
Charging Method	: 22.5A (0.5C) to 3.65V for 2.5hrs at 20°C
Charging Termination Control	: Taper Current 0.05C (2.3A) at 3.65V
Max. Charging Current	135A (3C) continuous (Consult GP for high current fast charge)
Max. Discharge Current	: 225A (5C) continuous 450A (10C) pulse for 5s
Service Life	: >1500 cycles (80%DOD at 1C)
Weight	: ~1.4 kg
Internal Resistance	: <2mΩ
Ambient Temperature Range	: Charge : 0 to 45°C (conditionally) Discharge : -20 to 50°C (conditionally) Storage : -20 to 35°C

Model No.: GP45EVLf

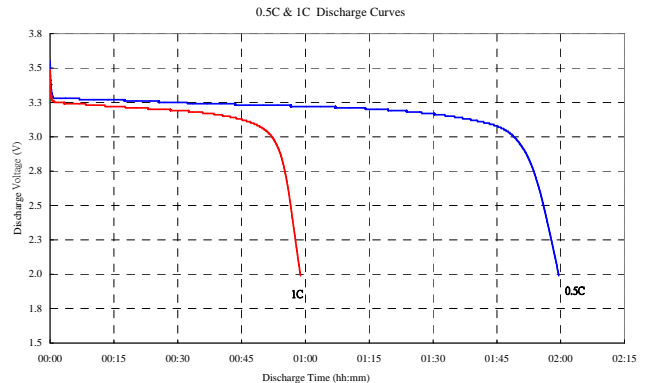


Charging Characteristics at 20°C

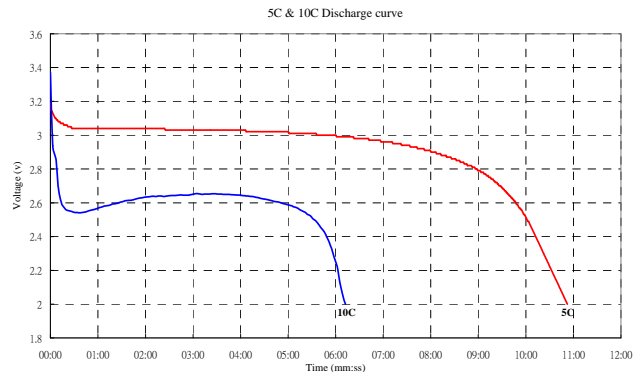


Remark: Clamping is necessary during charge and discharge for unit cell.

Low C-rate Discharge at 20°C



High C-rate Discharge at 20°C



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