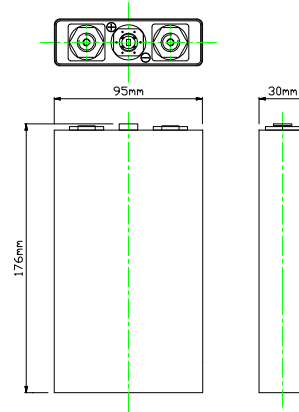
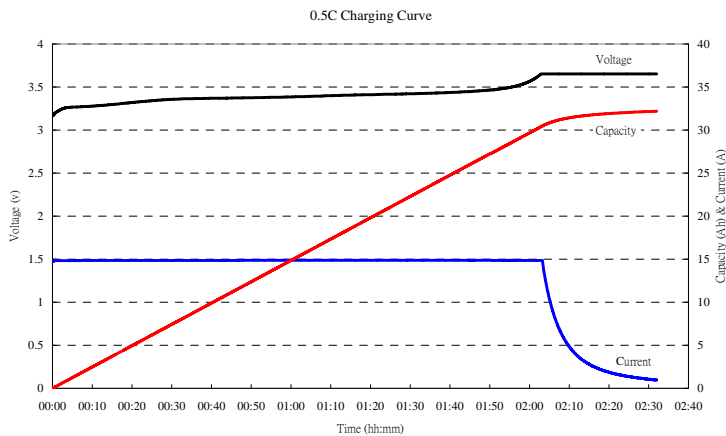


<b>Type</b>	: Rechargeable Lithium Ferro Phosphate Prismatic Batteries
<b>Nominal Dimension</b>	: T = 30.0mm +2/-0 H = 176.0mm +0/-2 W = 95mm +/-0.5
<b>Nominal Voltage</b>	: 3.2V
<b>Capacity</b>	: Min. 30Ah at 15A (0.5C) discharge to 2.0V at 20°C
<b>Specific Energy</b>	: 87Wh/kg at 0.5C discharge
<b>Specific Power</b>	: 427W/kg with 80% SOC at 5C 30sec.
<b>Energy density</b>	: 178Wh/L at 0.5C discharge
<b>Power density</b>	: 876W/L with 80% SOC at 5C 30sec.
<b>Charging Method</b>	: 15A (0.5C) to 3.65V for 2.5hrs at 20°C
<b>Charging Termination Control</b>	: Taper Current 0.05C (1.5A) at 3.65V
<b>Max. Charging Current</b>	: 90A (3C) continuous (Consult GP for high current fast charge)
<b>Max. Discharge Current</b>	: 150A (5C) continuous 300A (10C) pulse for 5s
<b>Service Life</b>	: >1500 cycles (80%DOD at 1C)
<b>Weight</b>	: ~ 1.1kg
<b>Internal Resistance</b>	: < 2mΩ
<b>Ambient Temperature Range</b>	: Charge : 0 to 45°C (conditionally) Discharge : -20 to 50°C (conditionally) Storage : -20 to 35°C

### Model No.: GP30EVLf

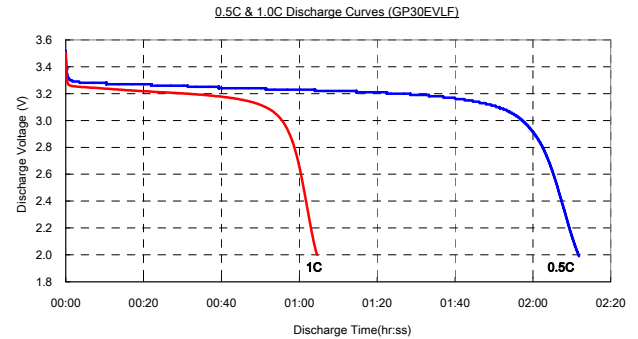


### Charging Characteristics at 20°C

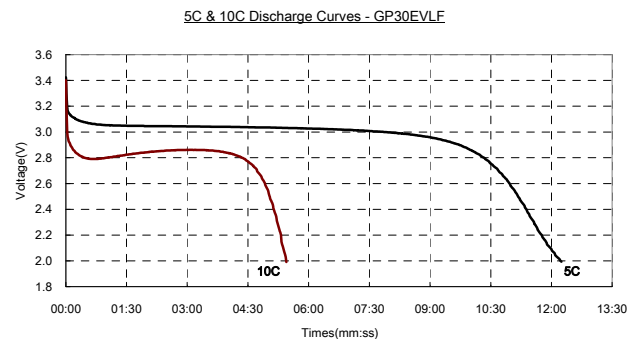


Remark: Clamping is necessary during charge and discharge for unit cell.

### Low C-rate Discharge at 20°C



### High C-rate Discharge at 20°C



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