

## Enerland 1S 2100 mAh '20C' LiPo (PF5638110XP)

The Enerland 2100XP cell came with no tap connector, leads, or power connector fitted (bare cell). 12 AWG silicone leads were soldered to the cell tabs and terminated in a Deans Ultra. Additional reinforced tape was added for electrical insulation and strain relief. *NOTE: this cell is the same as used in the PolyQuest 2100 'XP' and '20', and the FlightPower 'EVO' packs.*

### Key Information

- Pack capacity: 2100 mAh
- Pack configuration: single cell
- Dimensions: 115 mm (L) x 38 mm (W) x 5.9 mm (D)
- Mass: 40 g
- Max Cont. Discharge: 20C (42A)



### Testing

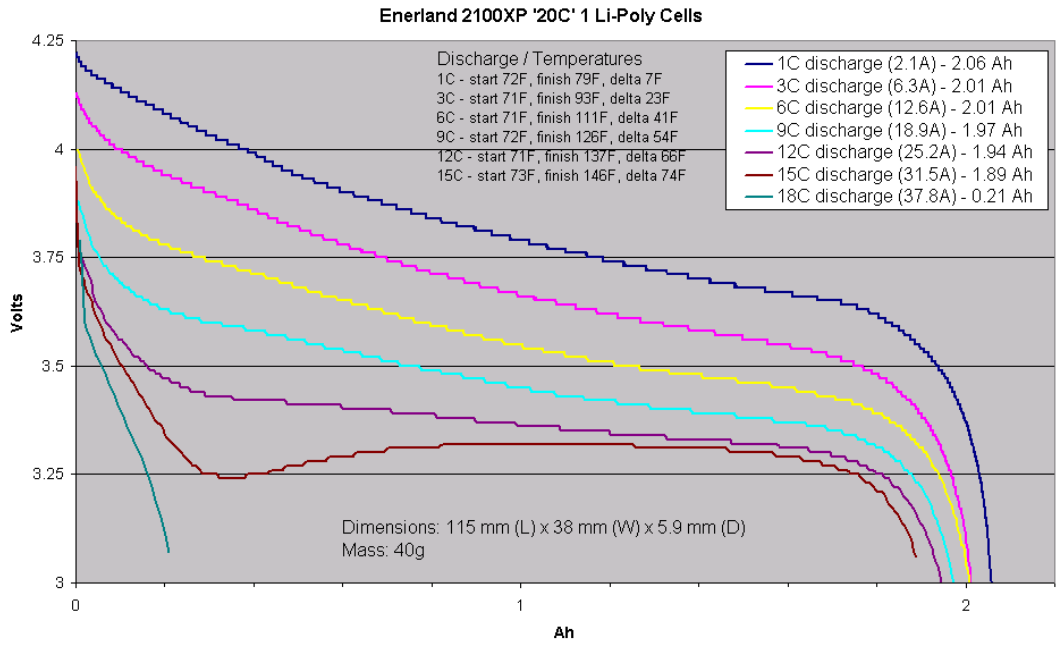
All testing was carried out using:

- Charging with a Hyperion EOS7i charger at 1C.
- West Mountain Radio CBAII (1, 3, 6, 9 and 12C) / Camlight discharger (>12C)
- National Instruments DAQ running LabView to measure a calibrated J-type thermocouple.

The results from these tests follow:

Discharged capacity

- 1C – 2.06Ah
- 3C – 2.01Ah
- 6C – 2.01Ah
- 9C – 1.97 Ah
- 12C – 1.94 Ah
- 15C – 1.89 Ah
- 18C – 0.21 Ah (cell went below 3V cut-off very early in discharge)



The pack temperature with discharge is shown below using a linear fit (worst case).

