

EVtv Motor Verks

CALB CA180FI



**Lithium Iron Phosphate
LiFePo4 Cell
3.2 volt nominal
180 ampere-hour capacity
576 Watt-hours**

Power output: 540 amps continuous - 1800 amps for 30 seconds

Charging: CC/CV to 3.60v at up to 540 amps 32-113 F

CC/CV Termination: 9 amperes at 3.60 volts.

Discharge Temperature: 0-113 F

Fully charged open circuit voltage: 3.40v

Fully discharged cutoff voltage: 2.50v

Cycle life to 100% discharge: 2000 cycles

Cycle life to 80% discharge: > 3000 cycles

**Terminal: M8 1.25 x 16 stainless
Torque to 20 NM or 14.75 ft-lbs**

**Includes 70 mm tinned copper braided strap,
two stainless terminal bolts, and two
zinc coated Nord-Lock washers**

**Alternate 76 mm braided straps allow
adjacent (edge-to-edge) configurations.**



CA180FI



EVtv Motor Verks

CALB CA100FI



**Lithium Iron Phosphate
LiFePo4 Cell
3.2 volt nominal
100 ampere-hour capacity
320 Watt-hours**

Power output: 300 amps continuous - 1000 amps for 30 seconds

Charging: CC/CV to 3.60v at up to 300 amps 32-113 F

CC/CV Termination: 5 amperes at 3.60 volts.

Discharge Temperature: 0-113 F

Fully charged open circuit voltage: 3.40v

Fully discharged cutoff voltage: 2.50v

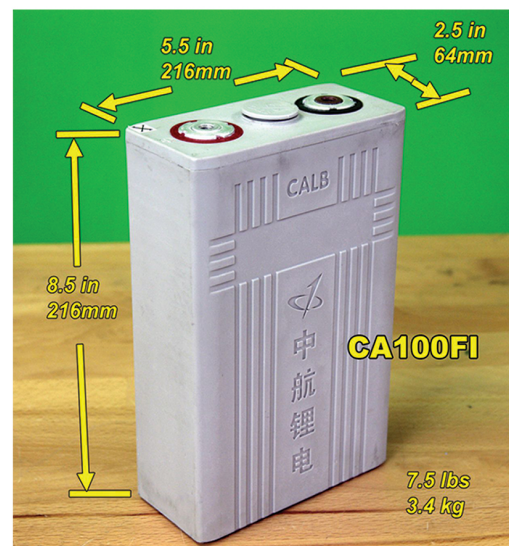
Cycle life to 100% discharge: 2000 cycles

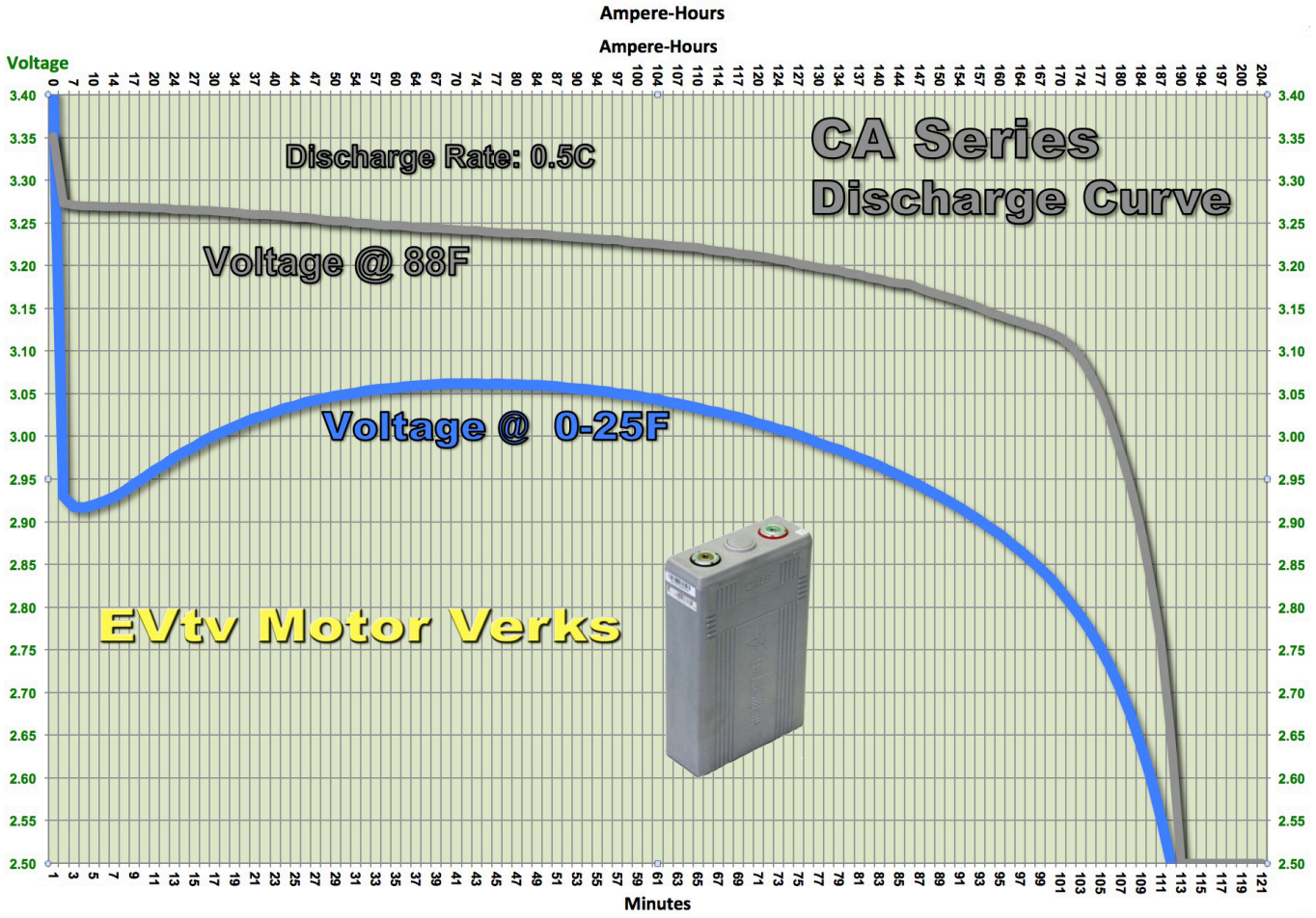
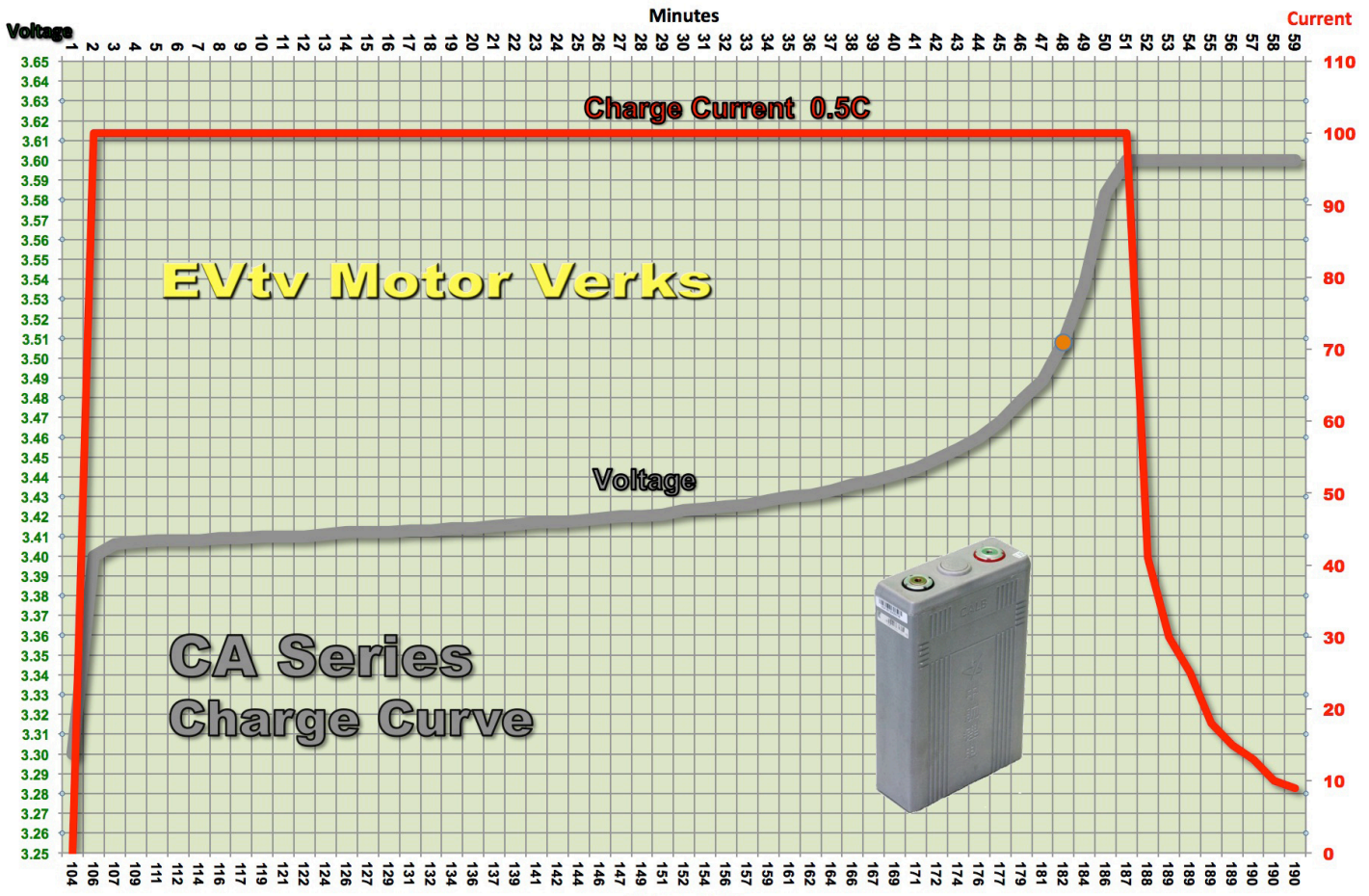
Cycle life to 80% discharge: > 3000 cycles

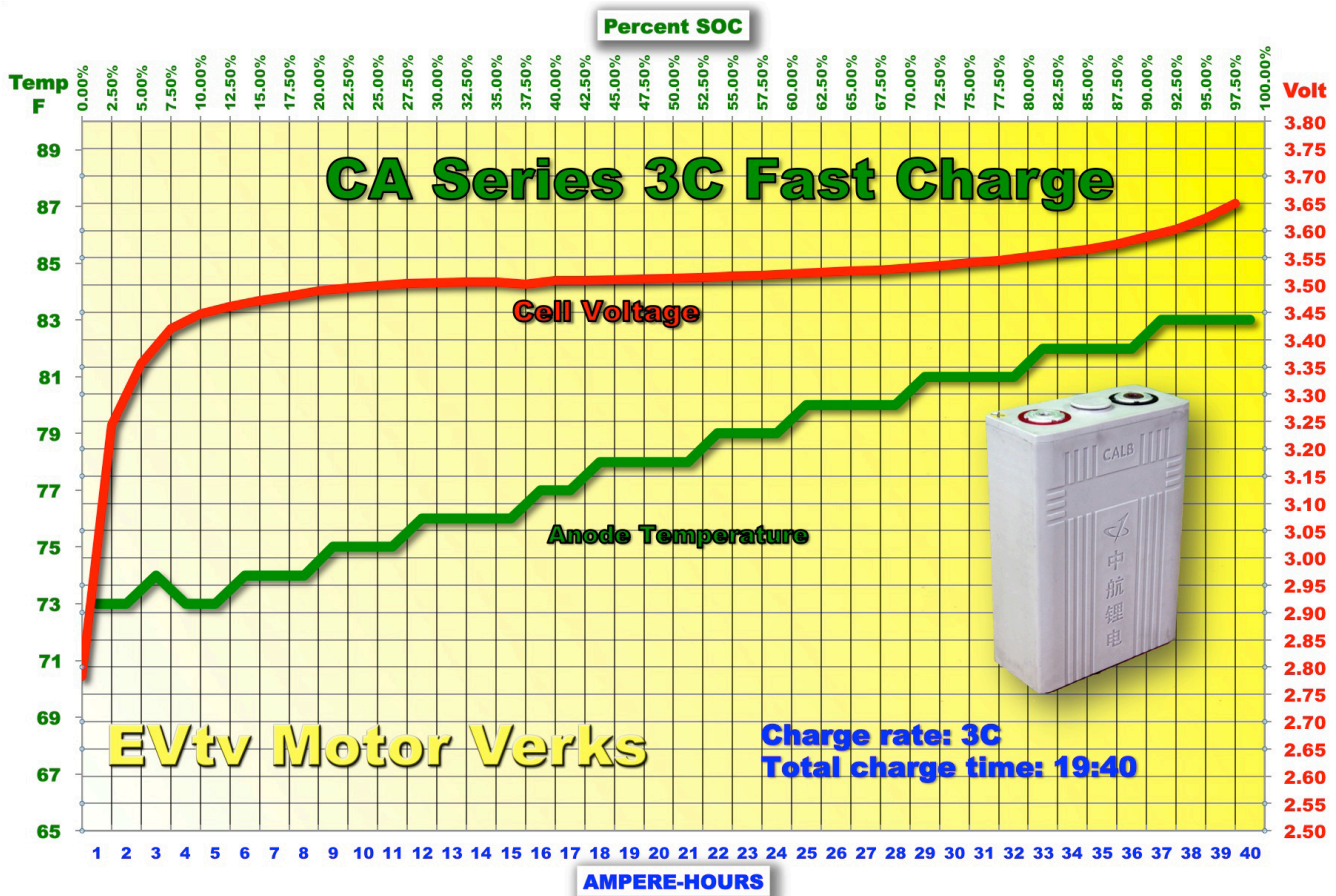
**Terminal: M8 1.25 x 16 stainless
Torque to 20 NM or 14.75 ft-lbs**

**Includes 70 mm tinned copper braided strap,
two stainless terminal bolts, and two
zinc coated Nord-Lock washers**

**Alternate 60 mm braided straps allow
adjacent (edge-to-edge) configurations.**







The NEW China Aviation Lithium Battery Company CA series cells provide an advance in nanoparticle lithium iron phosphate cell technology featuring starkly improved cold weather performance, increased power output and greater cell to cell capacity consistency than ever achieved by any Chinese battery manufacturer. The increased power capability means less voltage sag for any given current output. The improved capacity consistency makes managing a series string much easier.

These cells are inherently safer with much higher thermal runaway temperatures than the Lithium Manganese and Lithium Cobalt metal oxide cells used by many automakers. We think these advantages make this cell the choice worldwide for electric vehicle applications. They are the only battery cell we carry at EVTV Motor Verks.

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