



### **BATTERY PACK FEATURES**

- Available in 1.8 or 2.5kWh capacities (1.8 for purchase only).
- Digital Management Interface—LCD Display delivers battery operating status, voltage, amps, state of charge. Can also read cell voltages at the push of a button for quick diagnostics.
- State of the art cell management:
- System – Automatically looks after battery health and operator safety. Fast acting circuit interrupter in case of short circuit, Low and high cell voltage protection, active temperature monitor, and solid state limiter switch. No contacts to wear out.
- USB charge ports – 4 ports @ 2A each. For charging electronics.
- Separate charge port – for solar input or charging while in use.
- T-Slotted extruded corners – Easy mounting of battery to vehicles or accessories to battery.
- Rubber feet, handles, light mounts, DC accessories. Batteries are stackable.
- Power saving sleep modes – Battery goes to sleep after a prescribed period of no use.
- Service Port – Panel accessible port for programming, viewing history, or logging data.
- Can be used as stand alone DC supply at 24VDC Nominal, with our inverters, or with a host of accessories under development.
- The CINETRIX CUBE is a high-end power solution for high-end equipment. Safe for all types of 120V, 50 or 60Hz, up to 25 Amperes continuous.

### **System Energy Information**

- Nominal Energy 1.8kWh | 2.56kWh
- Nominal Voltage 24VDC
- Internal Resistance  $\leq 0.40 \text{ m}\Omega$
- Max Voltage Cutoff 28.8VDC
- Min Voltage Cutoff 21.6
- Max Current Cutoff 100A@ 10 sec | > 200A @10 sec
- Max Inrush Current 600A 1/320th sec
- Thermal Protection Cutoff 105 C (configurable)

### **Discharge Information**

- Max Continuous Discharge Rate 72A | 150A
- Recommended SOC Usage SOC : 10% - 90%
- Built in Charge Control Switch Solid State FET 200A
- Internal Built in BMS Balancers

### **Charging Information**

- Charging Time (Standard) 4h
- Separate Solid State Cutoff Solid State FET

### **Chemistry**

- Lithium Iron Phosphate LifePO4
- Cycle Life (@ 80% of orig. capacity)
- 100 % DOD (1400) cycles
- 90 % DOD (1800) cycles
- 80 % DOD (2000) cycles +

### **Power Savings Information**

- Quiescent Draw During Sleep < 10uA @5V
- Full EMS runtime mode 20 mA @5V

### **Communication Options**

- Serial TTL Interface 8N1 57600 baud @5V
- Other wired and wireless protocols are under development

### **5V USB Output Ports**

- Maximum Output 8A @5V

### **DataLogger**

- SD Card Logging MiniSD Card 1GB - 64GB
- Log charge/discharge/temp information in Voltage/Amps/Deg