



|                   |              |                              |                    |
|-------------------|--------------|------------------------------|--------------------|
| Series            | R-Series LFP | Warranty                     | See Warranty Terms |
| Volts             | 36           | BCI                          | G31                |
| Terminal Type     |              | M8                           |                    |
| Included Hardware |              | M8 stainless bolts & washers |                    |

### Charge

|                                      |              |     |
|--------------------------------------|--------------|-----|
| Charge Voltage Range                 | 42.0 - 43.8V |     |
| Recommended End of Discharge Voltage | 36.0 V       |     |
| End of Discharge Protection Voltage  | 30.0 V       |     |
| Recommended Charge Voltage           | 43.2 V       |     |
| Recommended Charge Current           |              |     |
| 0~10°C (32~50°F)                     | 0.2C         | 13A |
| 10~35°C (50~95°F)                    | 0.5C         | 32A |
| 35~50°C (95~122°F)                   | 0.2C         | 13A |

### Charge Mode:

- Charge at recommend voltage & current by temperature until charge current drops to  $\leq 0.05C$  (CC,CV)
- DO NOT USE TEMPERATURE COMPENSATION
- No BTS (Battery Temperature Sensor)

|                                  |                      |
|----------------------------------|----------------------|
| Max Continuous Charge Current    | 32 A                 |
| Max Continuous Discharge Current | 60 A                 |
| Surge Current Limit              | 500 A (300ms)        |
| Charge Temperature Range         | 0°C~55°C (32~131°F)  |
| Discharge Temperature Range      | -20°~60°C (-4~140°F) |
| Storage Temperature Range        | -5°~45°C (23~113°F)  |

### Capacity

|                  |         |
|------------------|---------|
| Nominal Capacity | 65 AH   |
| Total Energy     | 2.5 kWh |
| Nominal Voltage  | 38.4 V  |

### Safety

- Cylindrical LiFePO4 cells (UL1642)
- IEC62133 (cell), IEC62619(cell), UN38.3 (cell/pack)
- ROHS (cell), CE system certification, IP65 Rating

### Design

- Standard-size (BCI) ABS container for easy VRLA replacement
- Fast charge/discharge performance
- Maintenance-free operation
- Bluetooth Connectivity & dedicated IOS & Android App

### Battery Management System (BMS)

- Integrated hardware BMS inside
- Independent charge & discharge protection
- Short-Circuit Protection, Over-Voltage Protection, Low-Voltage Protection, Over-Curent Protection, Low-Temperature Protection, Over-Temperature Protection

### 36V LFP Profile

### Specifications



|                   |         |          |
|-------------------|---------|----------|
| Weight            | 17 kg   | 37.5 lbs |
| Length            | 33.0 cm | 13"      |
| Width             | 17.3 cm | 6.81"    |
| Height Inc. Term. | 21.9 cm | 8.62"    |

Product measurements & weights are calculated based on sample data. Individual specifications are subject to vary due to the manufacturing process & battery components.

|                     |                                   |
|---------------------|-----------------------------------|
| Container           | ABS                               |
| Cover               | ABS                               |
| Handles             | Rope / Plastic Handle             |
| Internal BMS Model  | 12S60A                            |
| Expected Cycle Life | >6000 @ 80% DOD, >3000 @ 100% DOD |
| Series Connection   | 1 UNITS MAX                       |
| Parallel Connection | 6 UNITS MAX                       |

### Detailed Illustration

