

| Model Number                        | LFPG12.8-300G8D<br>(BCI Group 8D)               | LFPG12.8-200G4D<br>(BCI Group 4D)          | LFPG12.8-115G31<br>(BCI Group 31)      | LFPG12.8-100G27<br>(BCI Group 27)       |
|-------------------------------------|---|--|--|---|
| <b>PERFORMANCE SPECIFICATIONS</b>   |   |  |  |   |
| Nominal Voltage                     | 12.8V   | 12.8V                                      | 12.8V                                  | 12.8V                                   |
| Nominal Capacity                    | 300Ah   | 200Ah                                      | 115Ah                                  | 100Ah                                   |
| Energy (At 100% DOD)                | 3,840Wh   | 2,560Wh                                    | 1,472Wh                                | 1,280Wh                                 |
| Chemistry                           | LiFePO4 + Graphene                              |  |  |   |
| Cell                                | Cylindrical                                     |  |  |   |
| Scalability (Max Series/Parallel)   | 4S4P  |  |  |   |
| Internal Resistance                 | ≤30mΩ   |  |  |   |
| Cycle Life*                         | 7,000 at 70% Retained Capacity (80% DOD @ 0.5C) |  |  |   |
| Self Discharge Rate                 | <1% per month                                   |  |  |   |
| Efficiency of Charge                | 100%  |  |  |   |
| Efficiency of Discharge             | >98%  |  |  |   |
| <b>DISCHARGE SPECIFICATIONS</b>     |   |  |  |   |
| Max Continuous Current              | 1C = 300A (3,84kW)                              | 1C = 200A (2,56kW)                         | 1C = 115A (1.47kW)                     | 1C = 100A (1.28kW)                      |
| Pulse Cranking Amps (PCA)           | 1200A (5 Seconds)                               | 1200A (5 Seconds)                          | 1000A (5 Seconds)                      | 1000A (5 Seconds)                       |
| Recommended Cut-off Voltage         | 10V   |  |  |   |
| Under Voltage (Recovery)            | 8V (>10V)                                       |  |  |   |
| <b>CHARGE SPECIFICATIONS</b>        |   |  |  |   |
| Max Continuous Current              | 1C = 300A (3,84kW)                              | 1C = 200A (2,56kW)                         | 1C = 115A (1.47kW)                     | 1C = 100A (1.28kW)                      |
| Rec. Charge (Bulk / Absorb / Float) | 14.2V / 14.2V / 14V                             |  |  |   |
| Equalization (60 min every 7 days)  | 13.75V  |  |  |   |
| Over Voltage (Recovery)             | 15.6V (14.4V)                                   |  |  |   |
| <b>MECHANICAL SPECIFICATIONS</b>    |   |  |  |   |
| Case                                | ABS, UL-94 V-0                                  |  |  |   |
| Protection Rating                   | IP65  |  |  |   |
| Dimensions (L x W x H)              | 522 x 280 x 250 mm<br>20.6 x 11 x 9.8 in        | 522 x 228 x 250 mm<br>20.6 x 8.97 x 9.8 in | 330 x 173 x 212mm<br>13 x 6.8 x 8.3 in | 306 x 168 x 210 mm<br>12 x 6.6 x 8.3 in |
| Weight (lbs./Kg.)                   | 88.18 lbs (40 kg)                               | 62.7 lbs (28.5 kg)                         | 34.3 lbs (15.6 kg)                     | 28.6 lbs (13 kg)                        |
| Terminal Type                       | M8 & SAE  | M8 & SAE                                   | M8 & SAE                               | M8 & SAE                                |
| <b>ENVIRONMENTAL SPECIFICATIONS</b> |   |  |  |   |
| Operating Temperature               | -10°C to 60°C (-14°F to 140°F)                  |  |  |   |
| Warranty                            | 8 Year Limited                                  |  |  |   |
| Certifications                      | UL1642, CE, IEC62133 & CB, KC BIS               |  |  |   |
| Shipping                            | UN3480, Class 9, UN38.3                         |  |  |   |

\*Cycle Life: All battery cycle life is impacted by numerous factors including temperature, depth of discharge (DOD), charge/discharge current and frequency of cycling.



| Model Number                        | LFPG12.8-80G24<br>(BCI Group 24)                | LFPG12.8-50                                   | LFPG12.8-40GU1<br>(BCI Group U1)              |
|-------------------------------------|---|---|---|
| <b>PERFORMANCE SPECIFICATIONS</b>   |   |   |   |
| Nominal Voltage                     | 12.8V   | 12.8V   | 12.8V   |
| Nominal Capacity                    | 80Ah  | 50Ah  | 40Ah  |
| Energy (at 100% DOD)                | 1024Wh  | 640Wh   | 512Wh   |
| Chemistry                           | LiFePO4 + Graphene                              |   |   |
| Cell                                | Cylindrical                                     |   |   |
| Scalability (Max Series/Parallel)   | 4S4P  |   |   |
| Internal Resistance                 | ≤30mΩ   |   |   |
| Cycle Life*                         | 7,000 at 70% Retained Capacity (80% DOD @ 0.5C) |   |   |
| Self Discharge Rate                 | <1% per month                                   |   |   |
| Efficiency of Charge                | 100%  |   |   |
| Efficiency of Discharge             | >98%  |   |   |
| <b>DISCHARGE SPECIFICATIONS</b>     |   |   |   |
| Max Continuous Current              | 1C = 80A (1000W)                                | 1C = 50A (640W)                               | 1C = 40A (512W)                               |
| Pulse Cranking Amps (PCA)           | 800A (5 Seconds)                                | 300A (5 Seconds)                              | 250A (5 Seconds)                              |
| Recommended Cut-off Voltage         | 10V   |   |   |
| Under Voltage (Recovery)            | 8V (>10V)                                       |   |   |
| <b>CHARGE SPECIFICATIONS</b>        |   |   |   |
| Max Continuous Current              | 1C = 80A (1000W)                                | 1C = 50A (640W)                               | 1C = 40A (512W)                               |
| Rec. Charge (Bulk / Absorb / Float) | 14.2V / 14.2V / 14V                             |   |   |
| Equalization (60 min every 7 days)  | 13.75V  |   |   |
| Over Voltage (Recovery)             | 15.6V (14.4V)                                   |   |   |
| <b>MECHANICAL SPECIFICATIONS</b>    |   |   |   |
| Case                                | ABS, UL-94 V-0                                  |   |   |
| Protection Rating                   | IP65  |   |   |
| Dimensions (L x W x H)              | 260 x 168 x 210 mm.<br>10.2 x 6.6 x 8.3 in.     | 229 x 138 x 214 mm.<br>9.02 x 5.43 x 8.43 in. | 195 x 130 x 180 mm.<br>7.68 x 5.12 x 7.09 in. |
| Weight (lbs./kg.)                   | 24.9 lbs (11.3 kg).                             | 17.89 lbs (8.12 kg).                          | 11.02 lbs (5 kg).                             |
| Terminal Type                       | M8 & SAE  | M6  | M5  |
| <b>ENVIRONMENTAL SPECIFICATIONS</b> |   |   |   |
| Operating Temperature               | -10°C to 60°C (-14°F to 140°F)                  |   |   |
| Warranty                            | 8 Year Limited                                  |   |   |
| Certifications                      | UL1642, CE, IEC62133 & CB, KC BIS               |   |   |
| Shipping                            | UN3480, Class 9, UN38.3                         |   |   |

\*Cycle Life: All battery cycle life is impacted by numerous factors including temperature, depth of discharge (DOD), charge/discharge current and frequency of cycling.



| Model Number                        | LFPG12.8-115G31<br>(BCI Group 31)               | LFPG25.6-57G31<br>(BCI Group 31) | LFPG38.4-38G31<br>(BCI Group 31) | LFPG51.2-29G31<br>(BCI Group 31) |
|-------------------------------------|---|----------------------------------|----------------------------------|----------------------------------|
| <b>PERFORMANCE SPECIFICATIONS</b>   |   |                                  |                                  |                                  |
| Nominal Voltage                     | 12.8V   | 25.6V                            | 38.4V                            | 51.2V                            |
| Nominal Capacity                    | 115Ah   | 57Ah                             | 38Ah                             | 29Ah                             |
| Energy (At 100% DOD)                | 1,472Wh   | TBD                              | TBD                              | TBD                              |
| Chemistry                           | LiFePO4 + Graphene                              |                                  |                                  |                                  |
| Cell                                | Cylindrical                                     |                                  |                                  |                                  |
| Scalability (Max Series/Parallel)   | 4S4P  |                                  |                                  |                                  |
| Internal Resistance                 | ≤30mΩ   |                                  |                                  |                                  |
| Cycle Life*                         | 7,000 at 70% Retained Capacity (80% DOD @ 0.5C) |                                  |                                  |                                  |
| Self Discharge Rate                 | <1% per month                                   |                                  |                                  |                                  |
| Efficiency of Charge                | 100%  |                                  |                                  |                                  |
| Efficiency of Discharge             | >98%  |                                  |                                  |                                  |
| <b>DISCHARGE SPECIFICATIONS</b>     |   |                                  |                                  |                                  |
| Max Continuous Current              | 1C = 300A (3,84kW)                              | TBD                              | TBD                              | TBD                              |
| Pulse Cranking Amps (PCA)           | 1200A (5 Seconds)                               | TBD                              | TBD                              | TBD                              |
| Recommended Cut-off Voltage         | 10V   | TBD                              | TBD                              | TBD                              |
| Under Voltage (Recovery)            | 8V (>10V)                                       | TBD                              | TBD                              | TBD                              |
| <b>CHARGE SPECIFICATIONS</b>        |   |                                  |                                  |                                  |
| Max Continuous Current              | 1C = 300A (3,84kW)                              | TBD                              | TBD                              | TBD                              |
| Rec. Charge (Bulk / Absorb / Float) | 14.2V / 14.2V / 14V                             | TBD                              | TBD                              | TBD                              |
| Equalization (60 min every 7 days)  | 13.75V  | TBD                              | TBD                              | TBD                              |
| Over Voltage (Recovery)             | 15.6V (14.4V)                                   | TBD                              | TBD                              | TBD                              |
| <b>MECHANICAL SPECIFICATIONS</b>    |   |                                  |                                  |                                  |
| Case                                | ABS, UL-94 V-0                                  |                                  |                                  |                                  |
| Protection Rating                   | IP65  |                                  |                                  |                                  |
| Dimensions (L x W x H)              | 330 x 173 x 212mm<br>13 x 6.8 x 8.3 in          |                                  |                                  |                                  |
| Weight (lbs./Kg.)                   | 34.3 lbs (15.6 kg)                              |                                  |                                  |                                  |
| Terminal Type                       | M8 & SAE  |                                  |                                  |                                  |
| <b>ENVIRONMENTAL SPECIFICATIONS</b> |   |                                  |                                  |                                  |
| Operating Temperature               | -10°C to 60°C (-14°F to 140°F)                  |                                  |                                  |                                  |
| Warranty                            | 8 Year Limited                                  |                                  |                                  |                                  |
| Certifications                      | UL1642, CE, IEC62133 & CB, KC BIS               |                                  |                                  |                                  |
| Shipping                            | UN3480, Class 9, UN38.3                         |                                  |                                  |                                  |

\*Cycle Life: All battery cycle life is impacted by numerous factors including temperature, depth of discharge (DOD), charge/discharge current and frequency of cycling.

