



MODEL: IC-24V10-EP

Lithium Ion Deep Cycle Battery

ELECTRICAL SPECIFICATIONS

| | |
|---------------------------|-----------------|
| Nominal Voltage | 24 V |
| Nominal Capacity | 10 Ah |
| Capacity @ 25A | 24 min |
| Energy | 256 Wh |
| Resistance | ≤50 mΩ @50% SOC |
| Efficiency | 99% |
| Self Discharge | <3% per Month |
| Maximum Modules in Series | 4 |

DISCHARGE SPECIFICATIONS

| | |
|--------------------------------------|------------|
| Maximum Continuous Discharge Current | 10A@25°C |
| Peak Discharge Current | 55A (3s) |
| BMS Discharge Current Cut-Off | 55A (3s) |
| Recommended Low Voltage Cut-Off | 22 V |
| BMS Discharge Voltage Cut-Off | 20 V |
| Reconnect Voltage | 22.4 V |
| Short Circuit Protection | 200-600 μs |

TEMPERATURE SPECIFICATIONS

| | |
|------------------------------|---------------------------|
| Discharge Temperature | -4 to 140°F (-20 to 60°) |
| Charge Temperature | -4 to 113°F (-20 to 45°C) |
| Storage Temperature | 23 to 95°F (-5 to 35°C) |
| BMS High Temperature Cut-Off | 149°F (65°C) |
| Reconnect Temperature | 122°F (50°C) |

MECHANICAL SPECIFICATIONS

| | |
|------------------------|------------------------------------------|
| Dimensions (L x W x H) | 3.03 x 7.09 x 6.49" 77 x 180 x 165 mm |
| Weight | 6.6 lbs (3 kg) |
| Terminal Type | F8 |
| Terminal Torque | 80 - 100 in-lbs (9 - 11 N-m) |
| Case Material | ABS |
| Enclosure Protection | IP55 |
| Cell Type - Chemistry | Prismatic- LiFePO ₄ |

CHARGE SPECIFICATIONS

| | |
|----------------------------|-----------------|
| Recommended Charge Current | 5A |
| Maximum Charge Current | 10A@25°C |
| Recommended Charge Voltage | 24.4 V - 25.2 V |
| BMS Charge Voltage Cut-Off | 30.4 V |
| Reconnect Voltage | 28.8 V |

COMPLIANCE SPECIFICATIONS

| | |
|----------------|---------------------------------------------------------------|
| Certifications | CE (battery) UN38.3 (battery) UL1642 & IEC62133 (cells) |
|----------------|---------------------------------------------------------------|

BCI Group Size

Feature

BlueTooth APP



**Monitor your battery's
vitals straight from your
smartphone.**