Technical Data Sheet

57.6 V 30 A PFC LiFePO4 Battery Charger



Reference | CH4830PFC

Technical specifications

Product reference: CH4830PFC
Input voltage: 180–240 V AC, 50/60 Hz
Charging voltage: 57.6 V ± 0.2 V DC
Minimum charging voltage: 40 V DC
Output current: 30 A ± 5%
Efficiency: 87% at rated current
Power factor: > 0.95
MTBF: > 50,000 h at 25°C
Storage temperature: −40°C to 75°C
Operating temperature: −20°C to 40°C
Dimensions: 312 × 145 × 95 mm
Weight: 3.5 kg

Green LED: powered on / charging complete. Flashing blue LED: battery charging. Self-diagnostics: red LED indicates a fault.

Protection

✓ Fuse protection against reverse polarity
✓ Short-circuit protection
✓ Only operates with battery connected

Standards

EN 55022 Class B; IEC 61000-4-2;
EN 61000-4-3; EN 61000-4-5;
IEC 61000-4-6; IEC 61000-4-4

Charging curves

