

| | 2c LiFePO4 | 4c LiFePO4 |
|---|--|---|
| Available versions | x | |
| Input voltage: / Line frequency | 90 - 264VAC / 47 - 63Hz | |
| Max output power | 11.0W | 14.6W |
| Step 0 < 30min Yellow | CC 100mA ± 25mA, when batt voltage < 5.2V. | CC 100mA ± 25mA, when batt voltage < 10.4V. |
| Step 0 > 30min Red (4 blinks) | 0A / 0V | |
| Step 1 (Constant Current) Yellow | CC 1.5A ± 0.1A, when 5.2V < Vbat < 7.3V. | CC 1A ± 0.1A, 10.4V < Vbat < 14.6V. |
| Step 2 (Constant Voltage) Flashing Yellow | CV 7.3V ± 0.1V, until I charge < 100mA or max. 1h. | CV 14.6V ± 0.1V, until I charge < 100mA or max. 1h. |
| Charge timer (step2, CV) | 1h | |
| Safety timer (all steps) Red (5 blinks) | 72h | |
| Step 3 (Maintenance voltage) Green | 7.0V | 14.0V |
| Restart voltage | 6.6V | 13.2V |
| Efficiency (at 100% load) approx. | 0.8 | 0.82 |
| Average efficiency | > 78 % | > 80 % |
| No load consumption | < 0,5 W | |
| Switch frequency approx. | 56kHz | |
| Ripple | < 100mV p-p | |
| Rec. battery capacity | 0,75Ah (2C) to 10Ah (cut off current as EoC) or up to 60Ah (CV Timer as EoC) | 0,5Ah (2C) to 10Ah (cut off current as EoC) or up to 40Ah (CV Timer as EoC) |
| Formation Charge (Step 0) | Low current start-up of deeply discharged battery. | |
| Wake-up of deeply discharged battery. | Yes, will apply voltage which deactivates deep discharge protection in battery pack. | |
| Indication when "Battery not connected" | Flashing Green (1s/1s) | |
| NTC input, on request (std is 10kohm, B-value approx. 4000) | 0 – 45 °C: Normal charge. Battery temperature < 0 °C (too cold) or > 45°C (too hot): No charge, wait until temp. is OK. | |
| Leakage current from battery with mains switched off | < 300 µA at nominal battery voltage (< 0.22 Ah/month) | |
| Protection | Protected against reversed polarity. Error Indication: Red (2 blinks) Short circuit proof. Error Indication: Red (3 blinks) Charging of wrong lower voltage battery pack will be limited to 100mA and terminated after 10min. Indication: Red (4 blinks) Safety timer. Error Indication: Red (5 blinks) No charge (or charge terminated) if connecting wrong battery pack with higher voltage. Indication: LED is OFF. | |
| Temperature range | Operating: -25 to +40°C. Storage: -25 to +85°C | |
| Safety | Medical EN 60601-1 / Home Healthcare EN 60601-1-11 (VNOM≥110VAC) / Battery Charger EN 60335-2-29 | |
| Insulation class | Class II | |
| Insulation voltage: Primary – secondary | 4000VAC / 5700VDC | |
| EMC standards | EN 55014-1 and –2, EN 61000-6-3, EN 61000-6-1 EN 60601-1-2 | |
| Input terminal | 2-pins IEC 320 connector for exchangeable mains plug (EU, US, UK and AUS) or mains cord with C7 connector. | |
| Output terminals | Cord with/without plug. Exchangeable plugs available. | |
| IP-Grade | IP41 | |
| Dimensions | 108,5 × 49 × 29,3 mm | |
| Weight | 150g | |
| Other | CBC functionality: Configurable Battery Charger. Charging history: Log of latest charge cycles. | |