

Kennlinien / Characteristics HF + 2040 M I-Puls

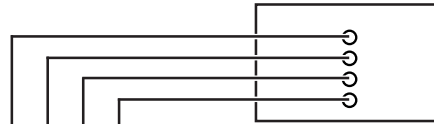


WARNUNG! Fehlbedienung kann schwerwiegende Personen- und Sachschäden verursachen. Beachten Sie die Angaben des Batterieherstellers. Während der Parametereinstellung keine Batterie an das Ladegerät anschließen.



WARNING! Incorrect operation can cause serious injury and damage. Observe battery manufacturer's instructions. When parameters are being set, make sure battery is disconnected from charger.

Date: 26.02.2013



| No. | Characteristic | Code | Battery | Capacity [Ah] | I_1 [A] | U_1 [V/Cell] | I_2 [A] | U_2 [V/Cell] | U_3 |
|---------------------------------------|----------------|---------|------------------|---------------|-----------|----------------|-----------|----------------|-------|
| <input checked="" type="checkbox"/> 1 | IUpIpoU | ○ ○ ○ ● | I-Puls, Nass/LM | 360 - 440 | 35 | 2,40 | max.35 | 2,25 | |
| <input type="checkbox"/> 2 | IUIoU | ○ ○ ● ○ | PzS, PzB, GiS | 290 - 360 | 35 | 2,40 | 17,6 | 2,25 | |
| <input type="checkbox"/> 3 | IUIoU | ○ ○ ● ● | PzS, PzB, GiS | 240 - 290 | 35 | 2,40 | 14,4 | 2,25 | |
| <input type="checkbox"/> 4 | IUIoU | ○ ● ○ ○ | PzV | 210 - 280 | 35 | 2,40 | 3,2 | 2,25 | |
| <input type="checkbox"/> 5 | IUIUoU | ○ ● ○ ● | Block Gel/Vlies | 210 - 280 | 35 | 2,40 | 8,4 | 2,5 | 2,28 |
| <input type="checkbox"/> 6* | IU-IU | ○ ● ● ○ | Format Nass/Wet | 90 - 200 | 3,8 (30h) | 2,75 | - | 2,25 | |
| <input type="checkbox"/> 7* | IU-IU | ○ ● ● ● | Format Gel/Vlies | 80 - 100 | 2,8 (20h) | 2,55 | - | 2,25 | |

* Nur für geschultes Banner Fachpersonal

* For trained Banner staff only

| | |
|--|---|
| | <p>IUpIpoU</p> <p>I_1 Hauptladestrom U_1 ... Ladeschluss-Spannung gepulst I_2 Nachladestrom gepulst U_2 ... Erhaltungs-Ladespannung</p> <p>I_1 Main charging current U_1 ... Final charging voltage pulsed I_2 After charging current pulsed U_2 ... Trickle charging voltage</p> |
| | <p>IUIoU</p> <p>I_1 Hauptladestrom U_1 ... Ladeschluss-Spannung I_2 Nachladestrom U_2 ... Erhaltungs-Ladespannung</p> <p>I_1 Main charging current U_1 ... Final charging voltage I_2 Additional charging current U_2 ... Trickle charging voltage</p> |
| | <p>IUIUoU</p> <p>I_1 Hauptladestrom U_1 ... Ladeschluss-Spannung I_2 Nachladestrom U_2 ... Nachladespannung U_3 ... Erhaltungs-Ladespannung</p> <p>I_1 Main charging current U_1 ... Final charging voltage I_2 Additional charging current U_2 ... Additional charging voltage U_3 ... Trickle charging voltage</p> |
| | <p>IU</p> <p>I_1 Hauptladestrom U_1 ... Ladeschluss-Spannung</p> <p>I_1 Main charging current U_1 ... Final charging voltage</p> |



Technische Daten / Technical Data

Elektrische Daten Eingang / Electrical Data Input

| | | |
|--|-----------------------------|---------------------|
| Netzspannung | Mains voltage | ~ 230 V AC +/- 15 % |
| Netzfrequenz | Mains frequency | 50 / 60 Hz |
| Netzstrom | Mains current | max. 7,7 A eff. |
| Netzabsicherung | Mains fuse | max. 16 A |
| Wirkungsgrad | Efficiency | max. 96 % |
| Wirkleistung | Effective Power | max. 1120 W |
| Leistungsaufnahme (Standby) | Power consumption (standby) | max. 1,7 W |
| Schutzklasse | Protective class | I |
| Max. zulässige Netzimpedanz an der Schnittstelle (PCC) zum öffentlichen Netz | | keine |
| EMV Emissionsklasse | | A |
| Max. permitted mains impedance at interface (PCC) to public grid | | none |
| EMC emission class | | A |

Elektrische Daten Ausgang / Electrical Data Output

| | | |
|----------------------------|------------------------|-----------------------------|
| Nominelle Ausgangsspannung | Nominal output voltage | 24 V DC / 12 Zellen (Cells) |
| Ausgangsspannungs-Bereich | Output voltage range | 2 V - 33,6 V DC |
| Ausgangsstrom | Output current | 35 A bei / at 28,8 V DC |
| Batterie-Rückstrom | Battery backcurrent | < 1 mA |

Mechanische Daten / Mechanical Data

| | | |
|-----------------------|------------------------|---|
| Kühlung | Cooling | Konvektion Convection |
| Abmessungen l x b x h | Dimensions l x w x h | 247 x 162 x 88 mm 9.72 x 6.38 x 3.46 in. |
| Gewicht (ohne Kabel) | Weight (without cable) | 2,2 kg 4.85 lb. |

Umgebungsbedingungen / Ambient conditions

| | | |
|--------------------|-----------------------|--|
| Betriebstemperatur | Operating temperature | -20 °C - +40 °C (>30 °C Derating) -4 °F - +104 °F (>86 °F Derating) |
| Lagertemperatur | Storage temperature | -40 °C - +85 °C -40 °F - +185 °F |
| Klimaklasse | Climate class | B |
| Schutzart | Degree of protection | IP40 |

Normen / Standards

| | |
|---|---|
| Schock/Shock, IEC 60068-2-27 (Sinus 10-150 Hz; 1,5 h / Achse; 1.5 h / axis) | |
| Stoß/Push, IEC 60068-2-29 (1000 Stöße mit 25 g / Achse, 1000 Pushes with 25 g / axis) | |
| Vibration, IEC 60068-2-64 (5 g, 5-500 Hz, 1h 40 min, 3 Achsen) | |
| EN 60335-1 | EN 60335-2-29 |
| EN 61000-3-2 | |
| EN 61000-6-2 | (EN 61000-4-2, EN 61000-4-3, EN 61000-4-4) (EN 61000-4-5, EN 61000-4-6, EN 61000-4-11) |
| EN 61000-6-4 | (Class A) |