

# Kennlinien / Characteristics Selectiva 1020E

Date: 12.04.2016

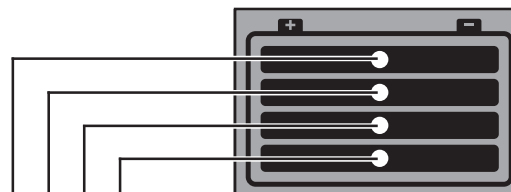
Serial Number:



**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 parameteres are being set, make sure battery is disconnected from charger.



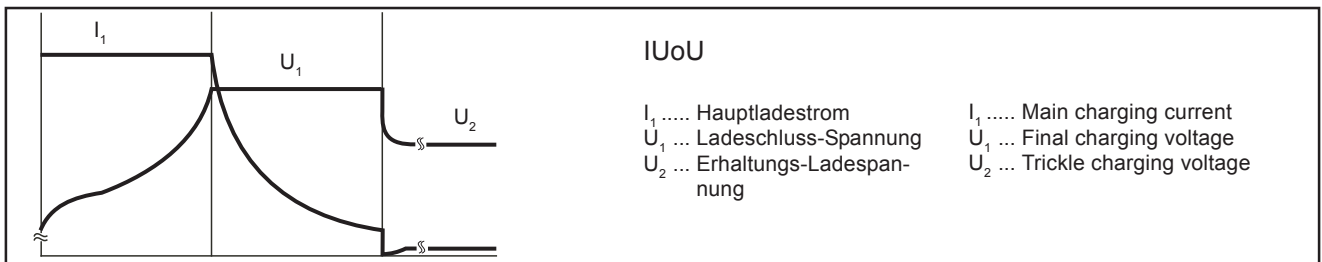
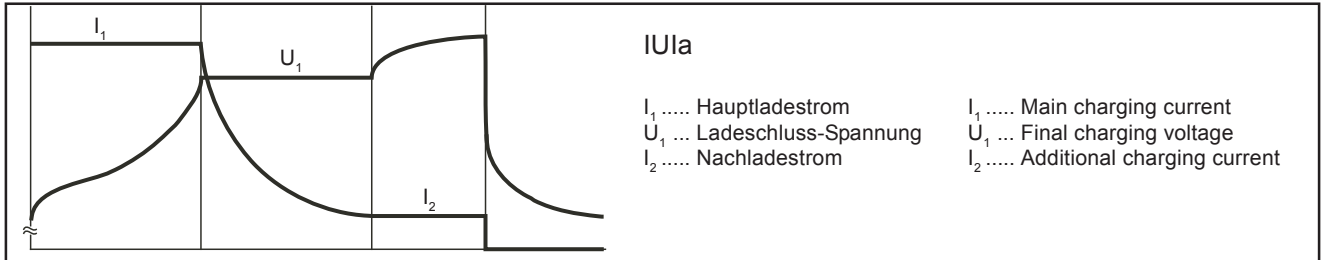
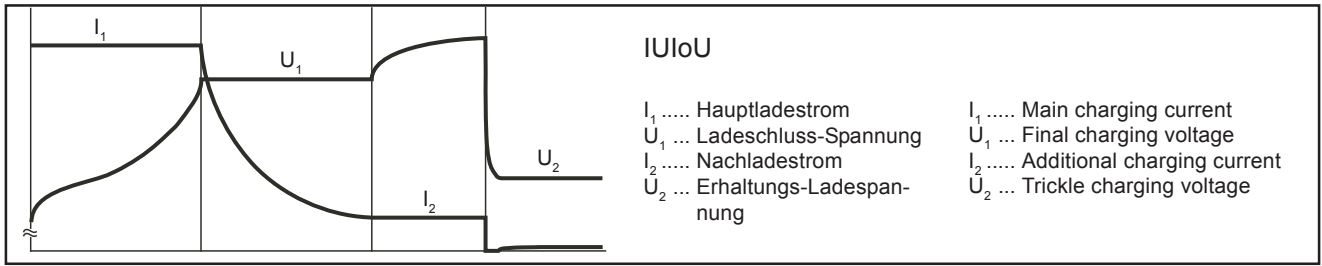
| No.                                 | Characteristic | Code  | Battery                        | Capacity [Ah] | I <sub>1</sub> [A] | U <sub>1</sub> [V/Cell] | I <sub>2</sub> [A] | U <sub>2</sub> [V/Cell] |
|-------------------------------------|----------------|-------|--------------------------------|---------------|--------------------|-------------------------|--------------------|-------------------------|
| <input type="checkbox"/>            | 1              | IUIa  | Standard nass / wet            | 200 - 250     | 20                 | 2,40                    | 10                 | -                       |
| <input checked="" type="checkbox"/> | 2              | IUIa  | Standard nass / wet            | 160 - 200     | 20                 | 2,40                    | 8                  | -                       |
| <input type="checkbox"/>            | 3              | IUIa  | Standard nass / wet            | 130 - 160     | 20                 | 2,40                    | 6,4                | -                       |
| <input type="checkbox"/>            | 4              | IUIa  | Standard nass / wet            | 110 - 130     | 20                 | 2,40                    | 5,2                | -                       |
| <input type="checkbox"/>            | 5              | IUIa  | GiS/PzS, EpzS/ECMSM            | 150 - 180     | 20                 | 2,40                    | 7,2                | -                       |
| <input type="checkbox"/>            | 6              | IUIa  | GiS/PzS, EpzS/ECMSM            | 120 - 150     | 20                 | 2,40                    | 6                  | -                       |
| <input type="checkbox"/>            | 7              | IUIoU | PzV/EpzV, EpzV-BS              | 140 - 160     | 20                 | 2,35                    | 1,8                | 2,30                    |
| <input type="checkbox"/>            | 8              | IUIoU | PzV/EpzV, EpzV-BS              | 120 - 140     | 18                 | 2,35                    | 1,6                | 2,30                    |
| <input type="checkbox"/>            | 9              | IUIoU | GiV/GF-V, GF-Y                 | 120 - 160     | 20                 | 2,35                    | 1,8                | 2,30                    |
| <input type="checkbox"/>            | 10             | IUIoU | GiV/GF-V, GF-Y                 | 90 - 120      | 16,2               | 2,35                    | 1,4                | 2,30                    |
| <input type="checkbox"/>            | 11             | IUoU  | Pufferladung / Block batteries | -             | 20                 | 2,40                    | -                  | 2,25                    |
| <input type="checkbox"/>            | 12             | IUIa  | Standard nass / wet            | 250 - 300     | 20                 | 2,40                    | 12,3               | -                       |
| <input type="checkbox"/>            | 13             | IUoU  | AGM                            | 100 - 200     | 20                 | 2,45                    | -                  | 2,27                    |
| <input type="checkbox"/>            | 14             | IUIoU | AGM                            | 100 - 200     | 20                 | 2,40                    | 4                  | 2,27                    |



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# 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. 2,3 A eff.     |
| Netzabsicherung  | Mains fuse                  | max. 16 A           |
| Wirkungsgrad   | Efficiency                  | max. 95 %           |
| Wirkleistung   | Effective Power             | max. 315 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 | 12 V DC / 6 Zellen (Cells) |
| Ausgangsspannungs-Bereich  | Output voltage range   | 2 V - 16,8 V DC            |
| Ausgangsstrom              | Output current         | 20 A bei / at 14,4 V DC    |
| Batterie-Rückstrom         | Battery backcurrent    | < 1 mA                     |

## Mechanische Daten / Mechanical Data

|                       |                        |   |
|-----------------------|------------------------|---|
| Kühlung               | Cooling                | Konvektion<br>Convection                    |
| Abmessungen l x b x h | Dimensions l x w x h   | 247 x 162 x 88 mm<br>9.72 x 6.38 x 3.46 in. |
| Gewicht (ohne Kabel)  | Weight (without cable) | 2,1 kg<br>4.63 lb.                          |

## Umgebungsbedingungen / Ambient conditions

|                    |                       |  |
|--------------------|-----------------------|--|
| Betriebstemperatur | Operating temperature | -20 °C - +40 °C (>30 °C Derating)<br>-4 °F - +104 °F (>86 °F Derating) |
| Lagertemperatur    | Storage temperature   | -40 °C - +85 °C<br>-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)<br>(EN 61000-4-5, EN 61000-4-6, EN 61000-4-11) |
| EN 61000-6-4  | (Class A)   |