**ENERGY EFFICIENCY**
- With a degree of efficiency of up to 96% and a \( \cos \phi \) of up to \( \approx 1 \), the required mains power is reduced and therefore also the investment, installation and operating costs.
- The compact design allows for high-density installations in the smallest of spaces, reducing the amount of space required for the charging station.
- Expansion of the reactive current compensation system is not necessary due to the sinusoidal current consumption and excellent power factor.

**ENVIRONMENT**
- The use of highly efficient charging technology can reduce CO\(_2\) emissions to a minimum.
- The ideally smoothed charging current, combined with cutting-edge charging characteristics, allows uniform temperature charging, increases service intervals and prolongs the lifespan of the battery.
- Adherence to the electromagnetic compatibility (EMC) class A and B threshold values avoids any operation faults.

**FLEXIBILITY**
- The multi-voltage feature allows different types of batteries to be charged using a single BELATRON charging unit.
- Using a battery ID chip or a BATCOM digital battery controller, charging parameters can be individually adjusted at any time to suit all battery types and/or environmental conditions.
- The variably programmable charging curve allows for effective pulse charging, as well as future-proofed adaptation of the charging parameters for new battery types and future optimization of the charging process.

**Special Features:**
- Current measurement using a Hall sensor in a flexibly attachable current measurement head
- Bidirectional data transfer using Bluetooth low energy technology
- Large programmable LED status indicator
- Digital display for voltage, current, temperature, etc.
- Software for system analysis (desktop/mobile)
- Compact dimensions for easy attachment
- One battery controller for all battery voltages and capacities

**Technical Features:**
- Integrated data logger for comprehensive battery use evaluation
- Integrated event logging for recording battery parameters
- Integrated statistics counter for the entire life cycle of the battery
- Detailed report with just one click
IHF CHARGER

Specifications

**Final charging values**
- **Voltage**: 2.7 V/C
- **Current**: 10.5 A
- **Ah-sum**: 223 Ah

**Final charging values**
- **LP01 - IPU1a Pulse 145 Ah charged SOC = 29%**

Touch panel changes colors to provide a visual status of the charger and battery status. Uses a series of green, yellow and red for quick identification.

**Dimensions**

<table>
<thead>
<tr>
<th>Cabinet Type</th>
<th>H</th>
<th>W</th>
<th>D</th>
</tr>
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<tbody>
<tr>
<td>WT60</td>
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<td>12.30&quot;</td>
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<td>WT180T</td>
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<td>12.30&quot;</td>
<td>24.10&quot;</td>
</tr>
</tbody>
</table>

**BIDIRECTIONAL COMMUNICATION**

Optionally, wireless data exchange enables two-way communication. Using the appropriate app for a range of devices and the Bluetooth® low energy technology, you can set up a quick and uncomplicated connection with the BatCom Digital battery controller. This allows optimal coordination for various things, such as:

- Adapting the charging behavior to the battery temperature.
  (e.q. in cold warehouses or where there is high ambient temperature)
- Transfer of battery data to configure optimal charging parameters.
- Optimization of fleet deployment.
- The graphics user interface allows up-to-date battery and device information to be retrieved quickly and easily.