

## 1. General

Up to eight charging characteristics are programmed in the charger. A switch is used to select a characteristic. LEDs display the selected characteristic(s).

## 2. LED Display

The different information supplied by the display is described below.

Charging mode:

Charging Mode	LED Display		
Primary charging	X		
Secondary charging		X	
Charging end / charge maintenance			X

Error messages:

Error Message	LED Display			
Battery is missing	X			
Time error		X		
Hardware error			X	
Temperature error				X

Program selection mode: Checking and setting the charging characteristics.  
The current setting is indicated with a higher flashing frequency.  
See section 3. or 4. for details.

Charging Characteristics Program (flashing LEDs)	LED Display							
Program 0	X							
Program 1		X						
Program 2			X					
Program 3				X				
Program 4					X			
Program 5						X		
Program 6							X	
Program 7								X

See the charging characteristics table for settings of the individual programs.

### **3. Switch**

The switch has different functions depending on the operating status of the charger.

- Switching charger ON/OFF.
- Setting pause mode.
- Program selection mode. - Checking / setting the charging characteristics.

#### **a) Charger is switched on**

- |                 |   |
|-----------------|---|
| Switch < 1 sec  | <b>PAUSE mode on/off.</b><br>Charging is stopped/continued. The green 100% LED and the yellow <80% LED flash alternately.<br>(Pause mode is autom. deactivated after 1 minute.) |
| Switch ≥ 2 secs | <b>Charger switches off.</b> Display goes out.<br>(Condition for charging characteristic setting.)  |

#### **b) Charger is switched off**

The charger automatically starts again after 15 seconds.

- |                  |  |
|------------------|--|
| Switch < 1 sec   | <b>Charger switches on.</b>  |
| Switch > 10 secs | <b>Program selection mode on.</b> The current setting is displayed. Display flashes 4x per second. |

#### **c) Program selection mode is enabled** (selection of the charging characteristics)

The program selection mode is cancelled automatically 1 minute after the last switch use. If a new setting has not been confirmed, the original setting is kept.

- |                    |   |
|--------------------|---|
| Switch < 1 sec     | The <b>next</b> respective program is displayed.<br>If the displayed charging characteristic is the current setting, the display flashes faster (1x → 4x/second). |
| Switch > 5 secs    | The displayed program is applied as the new setting. The display flashes faster (4x/second).  |
| Switch 2 to 4 secs | <b>Exit program selection mode.</b> Charger switches off.   |

#### **4. Checking and Changing Charging Characteristic Setting**

The following describes the steps to check or change the charging characteristics setting.

<u>Action</u>	<u>Switch</u>	<u>Response</u>
1. Plug in power cord		Charger switches on
2. Switch off charger	>2 secs	Charger switches off
3. Program selection mode on	>10 secs	Program selection mode on The current setting is displayed (Display flashes 4x per second)
If only checking "settings": Continue with step 6		
4. Change setting:  Repeat step 4 until desired charging characteristic is displayed	<1 sec	The next parameter is displayed. (Display flashes 1x per second)
5. Apply setting	> 5 secs	The setting is applied (Display flashes faster (4x/second))
6. Program selection mode off (Or wait 1 minute.)	2 to 4 secs	Charger switches off
7. Switch on charger (Or wait 15 seconds)	<1 sec	Charger switches on