

## Battery Backup Unit:



### Technical Description:

**Charging:** The charging process starts with the 13 –18V DC power supply connected to the DC socket. The illuminated green LED indicates the charging voltage has been applied and the red LED indicates that charging with 260 to 300 mA is taking place. During charging, the charge controller IC measures the current flowing into the accumulator. When the current changes at the end of charging, the charging process automatically stops and the red LED switches off. Charging an empty accumulator can take up to 4 hours. This time is correspondingly shorter for a partially discharged accumulator. If a pre-charged accumulator is reconnected to the power supply, charging restarts and the charge controller IC once more measures the charge current development and then switches off the charging when this current once more changes to a typical charge over a defined time. This recharging then takes another 10 minutes. The same thing happens if a completely charged accumulator remains connected to the power supply and the current from the power supply is only briefly interrupted. The red charge LED illuminates for approximately 10 minutes.

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