

## Datasheet for 16A ICC-Box (single-phase)

### Design

The control board in the ICC-Box has the dimensions of 162.5mm x 70mm x 35mm and can be supplied directly from single-phase AC 230V / 16 amps. On the input side, a blue 16A CEE plug by a short, 3-wire cable and in-cable RCD circuit breaker is led into the box. On the output side, there is a 3m long, 3+1 wire cable with an E-Mobility coupler (all cables used have a cable cross section of 2.5 mm<sup>2</sup>).

### Operation

The 16A CEE plug is plugged into a suitable socket and the green READY LED is on. The E-Mobility coupler is now plugged into the vehicle and the blue CHARGE LED lights in addition. Now the charging current flows.

The charging current can be adjusted with the potentiometer from 6-18 amps continuously (load currents below 6 amps are not possible).

Alternatively, the potentiometer can be replaced by a toggle switch. Then there is only the choice between two charge currents (for example: 10A and 16A).

Optionally, the charging current can be remote controlled by a small solar cell or a DC voltage of 0 volts to 10 volts.

### Specifications

CP Output voltage:	max. +12 V / -12V
CP frequency:	1000 Hz quartz-stable square-wave AC voltage
Pulse width CP:	Continuously adjustable with potentiometer 10 to 30%
Charging current:	6A = 10% to 18A = 30% (Pulse width x 0.6 = charging current in amperes)
Remote control input:	Control voltage 0V = 6A to 10V = 18A, galvanically isolated by opto coupler. The remote input can also be connected directly to a small solar cell (optional).
Phase position:	Display of the phase position at the input by yellow PHASE LED. Only with Schuko plug (optional).
CP short circuit protection:	A short circuit between CP and PE switches the charging cable off.