

## Datasheet for 32A ICC-Box (three-phase)

### Design

The control board in the ICC-Box has the dimensions of 162.5mm x 70mm x 35mm. On the input side, a red 32A CEE plug on a short, 5-wire cable is fed into the box. In the box there is a RCD circuit breaker and a contactor with four switching contacts. The output side, an E-Mobility connector is provided (all cables used have a cross-section of 6mm<sup>2</sup>).

### Operation

The 32A CEE plug is plugged into a suitable socket, and the green READY LED is on. With a cable the box is connected to 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 6-36 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: 16A and 32A).

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 60%
Charging current:	6A = 10% to 36A = 60% (Pulse width x 0.6 = charging current in amperes)
Remote control input:	Control voltage 0V = 6A to 10V = 36A, galvanically isolated by opto coupler. The remote input can also be connected directly to a small solar cell (optional).
CP short circuit protection:	A short circuit between CP and PE switches the charging cable off.