

## AT02-EF charger for charging electric vehicles in alternating current for private use and fleet

### Description

The AT02-EF series charger is able to charge the batteries of electric transport vehicles.

The AT02-EF series charger is made with a stainless steel structure and is equipped with 1 or 2 single or three phase Type 2 sockets of 7 or 22kW.

It offers the possibility of remote modulation of the charging power based on the energy currently available from the power supply system.

It is designed for connection to automation terminal and refueling authorization (see standard application)

### Main characteristics

The AT02-EA charger uses charging mode 3 in accordance with IEC / EN 61851

Charging mode 3 consists of connecting the vehicle to the AC power supply using specific connectors and in the presence of a pilot control circuit inside the dispenser for checking the continuity of the protective conductor between the vehicle and the network during charging.

This check is necessary to ensure the correct operation of the protections against indirect contacts by preventing any dangerous voltage from discharging through accidental contact with unaware people.

**Environment:** indoor / outdoor

### Activation and payment system

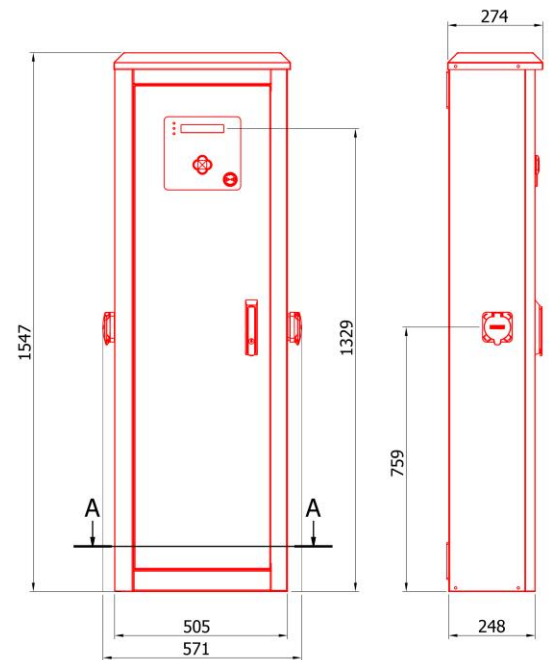
Local or remote manual activation

Activation through OTControl Tre

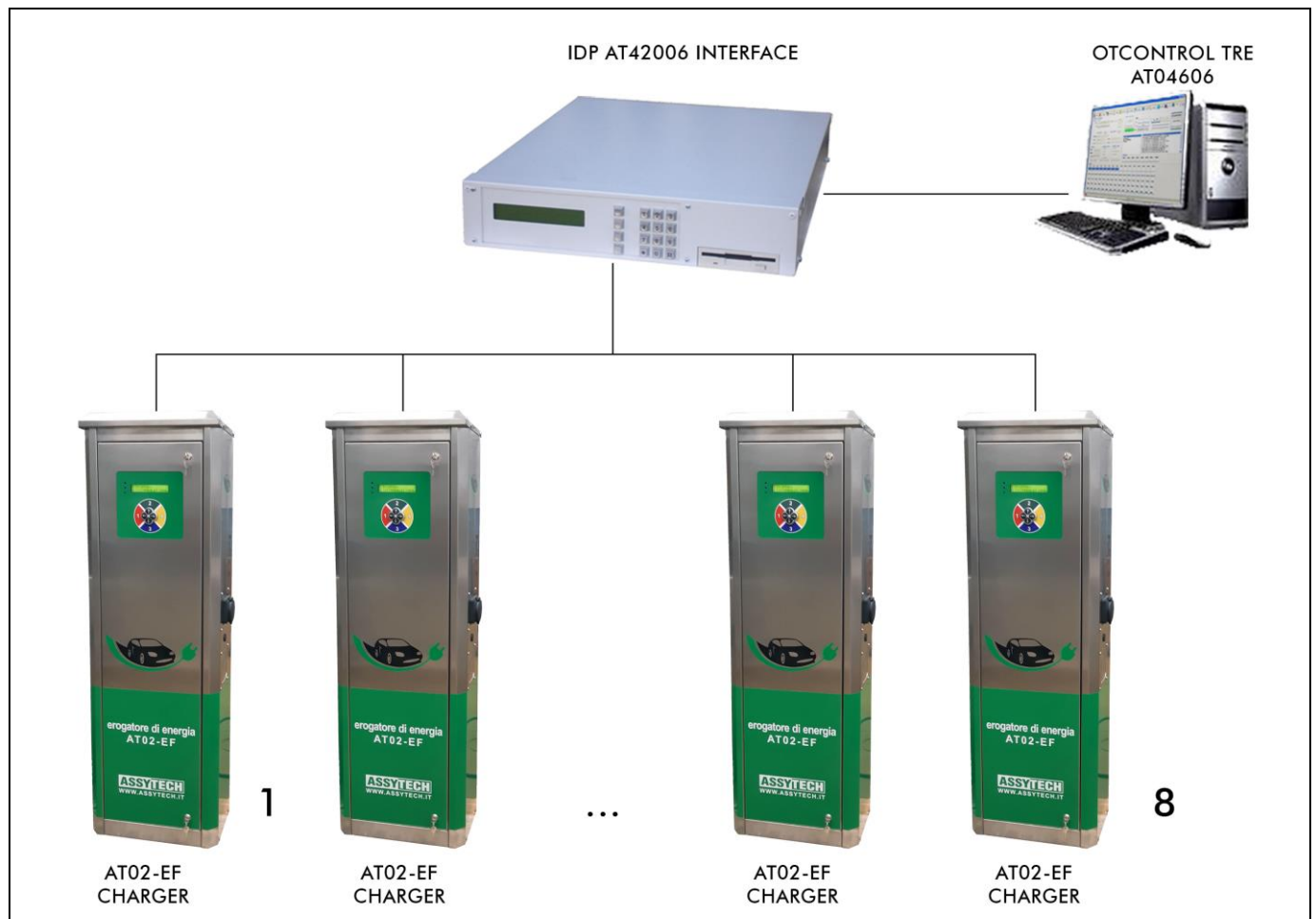


## Technical characteristics

• Power supply	230 VAC / 400 VAC
• Protections	Dischargers Differential protection DC=6mA AC/DC=30mA (RMS) (optional)
• Max power	7 / 14 kW / 22 kW / 44 kW (depending on the model)
• Measurable load	0,1 ÷ 64 A
• Load current control	Programmable 2 ÷ 32 A
• Accuracy	Class 0,5 (MID)
• Charging sockets	Typo 2 one phase or three-phase
• Remote connection	RS485 protocol MODBUS RTU / OCPP
• Display	Alphanumeric 2x20 + 4-key keyboard
• Protection degree	IP44
• Certifications	EN 61439-7 EN 61851-1 LVD 2014/35/UE Directive EMC 2014/30/UE Directive



## Application type



Specification subject to change without notice