EVSE Picarto314
EVSE Solutions

EVSE Picarto314 is the complete electronic control board for AC EV Chargers which supports up to 2 charging sockets. It has feature rich connectivity options and on-board charge controller fully compliant with IEC-61851 regulation.

Features

-Control unit for AC Electric Vehicle chargers

-IEC-61851 compliant, supports OCPP 1.5, 1.6 and 2.0

-Supports up to 2 charging sockets with on-board controller

-Payment Collection over RFID/NFC, Mobile Payment

Electrical Properties

Supply Voltage	100 VAC / 220 VAC
Supply Frequency	50 / 60 Hz

Main CPU & Memory

CPU	500MHZ ARM Cortex-A5 (ATSAMA5D28 secure processor)
Volatile Memory	256 MB DDR3
Non-volatile Memory	256 MB SLC Nand Flash
Co-processor	72MHZ ARM Cortex-M3 (STM32F105)

Software & Peripherals

Operating system	Linux kernel 4.9.87
Display	24 bit parallel RGB LCD interface upto 1280 x 720 resolution
Input terminal	Capacitive touch panel, keypad
UI Language	Expandable (standard Turkish, English)
Connectivity	10/100 Mbps Ethernet, 3G/LTE, Wifi, Bluetooth
Interfaces	Non-isolated RS 485, 2x RS 232, USB, micro SD card, smart card reader,
Audio	1W mono audio amplifier & speaker output
Charge controller	2x on-board AC charge controller compliant with IEC 61851
Charging status indicator	2x RGB led driver

Mechanical Design

Cooling	Natural Air Cooling
Dimension (W x L x H)	157 mm x 207 mm x 40 mm

Environment

Operating Temperature	-10 °C to +50 °C, >50 °C current de-rating
Storage Temperature	-25 °C to +80 °C
Humidity	<95% relative humidity, non-condensing

Regulation

Compliance	OCPP 1v5 / 1v6 / 2v0, IEC 61851

Specifications are subject to change without prior notice. Product look varies with model and configuration.