

PLC-15118

IMPLEMENTED, ON ORDER

ISO 15118 communication module

An add-on for the smart charger: HomePlug GreenPHY on the control pilot for ISO 15118 digital communication with the vehicle. With 15118-20 vehicles it shows the state of charge while charging on AC and identifies the vehicle for authorisation. Price on request; V2G under investigation.

IN SHORT

Two things a plain Mode 3 charger cannot do: know how full the battery is, and know which car is plugged in. With ISO 15118 on the pilot, both become possible, and a charger can start for a known vehicle without a card and stop when the battery is at the level the user asked for.

PRICEon request

KEY FACTS

SPECIFICATION	VALUE
Function	ISO 15118 digital communication over the control pilot (HomePlug GreenPHY), next to the IEC 61851 PWM signalling
State of charge on AC	Available with ISO 15118-20 vehicles; -2 vehicles do not report SoC on AC
Vehicle identification	EVCCID at SLAC, or the vehicle certificate with Plug & Charge; usable for card-less authorisation and billing
Fallback	Analog IEC 61851 per ISO 15118-3 when the vehicle does not speak 15118
V2G / bidirectional	Under investigation. Needs a bidirectional on-board charger in the vehicle, a grid-code path for feed-in and 15118-20 bidirectional power transfer. Nothing claimed until investigated.
Plug & Charge	Needs a certificate backend (CPO / PKI); to be confirmed

Test it in your project: info@edgetech.eu

Full specifications: edgetech.eu/electronics/iso15118-module