

## EVC-5.2AC CloudSmart Controller G2V/V2G

Multifunctional EV AC charging station controller especially designed for the European market. A complete charging station supporting mode-3/ IEC 15118 charging G2V & V2G with 2 “type2” outlets with servo lock and LED signaling can be set-up using this controller. The module can be managed by a Cloud back-office using OCPP 1.5/1.6/2.0 or LMS interfacing. Load management for smart grid applications is implemented in the built-in embedded software. A Local Micro Smart Grid function can be set-up adding two extra kwh meters on the mod-bus. The available power for charging will be calculated real-time on bases of public grid power and the Solar/wind energy power. This controller can be connected with the EVC52A modules by CAN bus (slave module) to extend the number of outlets uptill 24.



<b>Hardware</b>	
DIN-rail box	PVC
Dimensions (LxWxH)	90 x 82 x 22,5 mm (103 x 110 x 22,5 mm incl. connectors)
Weight	225 g
Temperature range (ambient)	-25°C - +70°C
Humidity	5% - 95%
Protection grade	IP20
Pluggable connectors	3 x 16
Embedded microcontroller	NXP ARM controller
Penta band 3G/GSM modem	850/900/1800/1900/2100 MHz
Ethernet Extension	√
GPS global positioning	√
Onboard temperature monitoring	√
Power supply	12 VDC
Power consumption	1.2 Watt
<b>Interfacing</b>	
RFID	2 x RS232
Buzzer	Integrated
Tilt sensor input	1 x (optional)
kWh meter	2 x S0/Modbus/RS485 (configurable)
Power sensing	2 x outlet
Display	Via Ethernet
Master/slave	Controlling up to 23 slave modules
Lock controller	2 x mechanical lock output Mennekes/Bals/Scame/Phoenix
Proximity pilot & control pilot IEC15118-2	2 x type 2 IEC 62196-2, supporting mode 3 charging, IEC 15118-2 Vehicle Communication V2G-support
LED	2 x triple LED output
CAN-bus	1 x CAN-bus interface
RCD status	2 x RCD trip detect
Contacteur status	2 x contactor failure detect
Contacteur enable	2 x contactor switch output
<b>Software</b>	
	Remote: firmware update/ Local: EVC Manager via USB/CAN
	OCPP 1.2/1.5/1.6/2.0 or LMS protocol
	Cloud back-office by LMS or by OEM using OCPP
<b>Conformity</b>	
	Immunity IEC 61000-6.2 Emission IEC 61000-6.3
	ZE-ready compatible