OlifeEnergy AC Lite

SECTRON



OlifeEnergy OlifeEnergy AC Lite is an all-metal, durable, free--standing charging station for charging two electric vehicles with alternating current (AC), with a power output of up to 44 kW (22 kW each). The electric vehicle can be connected using a socket, straight or coiled cable. The station is designed for indoor and outdoor use. It has a 7" color touch screen.
Optionally, it can work with the OlifeEnergy Cloud service or with an OCPP server. It can also be equipped with a payment terminal.



Specifications

Output	2x Type 2		
Type of connection	Type B (according to EN 61851)	Type C (according to EN 61851)	
Output type	sockets	cables	twisted cables
Measurement	Electricity meter for each output (optional) MID		
Output power*	0-44 kW		
AC supply type	AC 3 + N + PE 400V 50 Hz, TN-S / AC 3 + PEN 400V 50 Hz, TN-C		
Input voltage	3 × 400 V		
Maximum input current*	0–63 A		
Max. supply cable cross section	25 mm^2		
Surge protection (optional)	T1 + T2		
Control	local – automatic, RFID, mobile application (Bluetooth), Modbus RTU (via RS-485), ADC 0–10 V PLUS variant: mobile application (LAN / Wi-Fi) | CLOUD variant: OlifeEnergy Cloud, OCPP (1.6/2.0)		
Display (optional)	color, touch screen, 7"		
Overcurrent protection	2 x three-pole circuit breaker 32 A		
Residual protection	2 x four-pole RCD type A + residual DC current detection according to IEC 62955		
Communication	Bluetooth, Modbus RTU, ADC 0-10 V | PLUS, CLOUD variant: TCP/IP		
Data connection	RS-485, Bluetooth | PLUS variant: Ethernet, Wi-Fi | CLOUD variant: Ethernet, Wi-Fi, GSM		
IP rating		IP 54	
Operating temperature & humidity	-25 °C to +40 °C / 5 % to 95 %		
Weight (net, packaging +2 kg)	65 kg	69 kg	71 kg
Dimensions (W x H x L)**	385 × 1350 × 145 mm	737 × 1350 × 145 mm	

* maximum adjustable output power is limited by the upstream circuit breaker ** without cables, including socket cover and cable holder

AcLite Cloud

Charging station with functionality extended by the possibility of connecting to the OlifeEnergy Cloud service and the OCPP server. The OlifeEnergy Cloud service provides remote diagnostics, access management and charging records. It also enables the operation of a public charging station. Through OlifeEnergy Cloud, it is possible to dynamically control the power of multiple stations and cooperate with existing BMS systems.

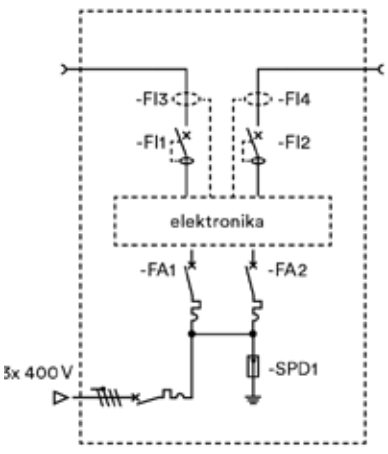
Protection against circuit breaker tripping	•
Integration with a smart home	•
Charging at a low tariff	•
RFID authorization	•
Control and configuration through ModBus RTU (via RS 485)	•
Configuration through mobile phone (locally Bluetooth)	•
Static setup of output current (according to upstream circuit breaker)	•
External current control (ModBus RTU / ADC 0–10 V)	•
OlifeEnergy Cloud, OCPP	•
Dynamic power management according to other consumption for unlimited EVs*	•
Optional color touch screen with QR code display (AFIR)	•
Optional measurement with certified electricity meters (2014/32/EU "MID")	•

Power management is provided by an external OlifeEnergy SmartMeter module. We recommend installing 1 x SmartMeter on one main circuit breaker.

AcLite Plus

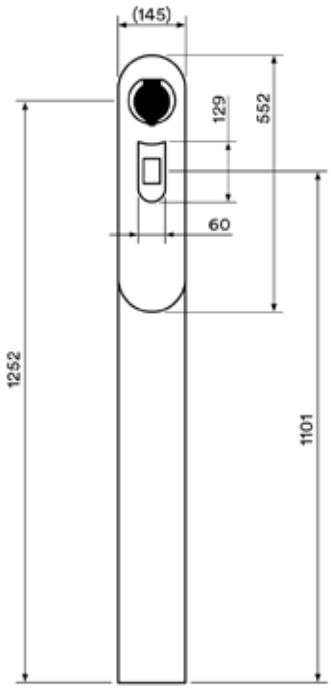
AC stations in the PLUS variant give full control over charging. It offers remote control via the home network. When connected to the application, it enables monitoring and management of charging, user authorization together with overviews of the history and energy consumption of each user. The stations are also equipped with communication with inverters from leading manufacturers, thanks to which they efficiently use surplus solar energy and energy from storage batteries for charging.

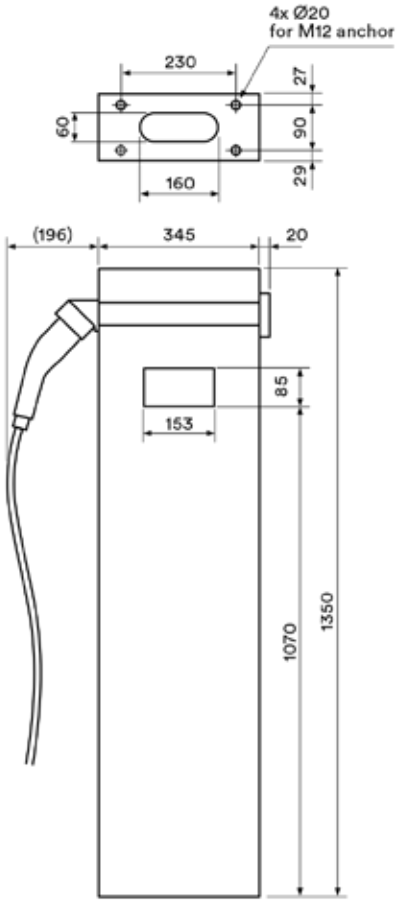
Dimensions and wiring diagram



in station

-FA1	3P 32 A char. B
-FA2	3P 32 A char. B
-FI1	4P 40A typ A, 30 mA
-FI2	4P 40A typ A, 30 mA
-FI3	DC 6 mA
-FI4	DC 6 mA
-SPD1	Surge protection





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