—

Electrical installation solutions for buildings
Electric vehicles charging

Electric vehicles charging
ABB EVLunic

EVLunic: Powerful AC chargers for residential and commercial applications

ABB EVLunic can charge electric vehicles and plug-in hybrids alike. With many different versions and variants there is a right model for every need.

Options	
Type 2 socket	For cars that have a type 2 connection. Mainly used when different cars will use the charger, or in locations where the driver is not the owner of the charger. The drivers will have to supply their own charge cable.
Type 2 socket with shutters	Same as above, mainly used in France.
Type 2 cable	Mainly used when the owner of the charger is also the driver. Or where the owner of the charger wants to offer the visitors the luxury of not having to supply their own charge cable. Cables are available in 4m and 6m length.
Type 1 cable	Used for cars that have a type 1 connection.
1 phase	The charger can only be connected with one phase.
3 phase	The charger can be connected with either 1 or 3 phases.
10A, 13A, 20A, 25A, 32A	The charger can be set (with a jumper setting) to this maximum current.
Energy meter	The charger has an energy meter to measure voltage, current, power and energy. It can be used to create an overview how much energy was delivered, and to do local load management. This includes a display.
MID	The energy meter is calibrated and certified to be MID compliant. This is necessary in the EU if payment is based on the delivered energy. E.g., if the energy is sold, or when the energy costs can be reimbursed at the lease company.
Enable input	An external device (like a knob) can be used to enable/disable the charger
Switch contact output	An external device can be connected to display charging status.
USB	All chargers have this feature, it is used for software upgrades.
Ethernet (RJ45)	All chargers have this feature, it is used for software upgrades and debugging.
Ethernet LSA+	Connection to a smart home server or to another EVLunic.
Load management + OCPP (slave)	Can be used for load management when connected to a load management master. Can be connected to a back office through OCPP, if connected to a master.
Load management + OCPP (master)	Can be used for load management and to OCPP; up to 15 slaves can be connected to one master.
UMTS/3G	The charger has a SIM card slot for wireless connection
RFID	The charger has authentication through an RFID card
Key	The charger has authentication through a key lock. This can be used to authenticate with the house key (if the charger has the same cylinder)

Safety

EVLunic includes an integrated onboard DC leakage detector, which eliminates the need for an expensive upstream RCD type B. Separate compartments for electronics and grid connection make installation easy. It also makes jumper selection and accessing the USB, Ethernet and SIM card possible without risk of touching the power circuits.

Electric vehicles charging
ABB EVLunic

—

Electric vehicles charging
ABB EVLunic

Description	Name	Renault Z.E. ready	EV Ready	Type 2 Socket	Type 2 Socket + Shutter	Type 2 cable	Type 1 cable	Cable length 4m	Cable length 6m
wallbox type 2 AC, socket 4.6kW	EVLunic B W4.6-T-0-0			●					
wallbox type 2 AC, socket with shutter 4.6kW	EVLunic B W4.6-S-0-0				●				
wallbox type 2 AC, cable (4m) 4.6kW	EVLunic B W4.6-G4-0-0					●		●	
wallbox type 1 AC, cable (4m) 4.6kW	EVLunic B W4.6-P4-0-0						●	●	
wallbox type 2 AC, socket 22kW	EVLunic B+ W22-T-0-0			●					
wallbox type 2 AC, socket 22kW, RFID	EVLunic B+ W22-T-R-0			●					
wallbox type 2 AC, socket 22kW, Key	EVLunic B+ W22-T-K-0			●					
wallbox type 2 AC, socket with shutter 22kW	EVLunic B+ W22-S-0-0	●	●		●				
wallbox type 2 AC, socket with shutter 22kW, RFID	EVLunic B+ W22-S-R-0	●	●		●				
wallbox type 2 AC, cable (4m) 11kW	EVLunic B+ W11-G4-0-0					●		●	
wallbox type 2 AC, cable (4m) 11kW, RFID	EVLunic B+ W11-G4-R-0					●		●	
wallbox type 2 AC, cable (4m) 22kW	EVLunic B+ W22-G4-0-0					●		●	
wallbox type 2 AC, cable (4m) 22kW, RFID	EVLunic B+ W22-G4-R-0					●		●	
wallbox type 2 AC, cable (4m) 22kW, Key	EVLunic B+ W22-G4-K-0					●		●	
wallbox type 2 AC, cable (6m) 22kW	EVLunic B+ W22-G6-0-0					●			●
wallbox type 2 AC, cable (6m) 22kW, RFID	EVLunic B+ W22-G6-R-0					●			●
wallbox type 2 AC, cable (6m) 22kW, Key	EVLunic B+ W22-G6-K-0					●			●
wallbox type 1 AC, cable (4m) 4.6kW	EVLunic B+ W4.6-P4-0-0						●	●	
wallbox type 1 AC, cable (4m) 4.6kW, RFID	EVLunic B+ W4.6-P4-R-0						●	●	
wallbox type 2 AC, socket 22kW	EVLunic Pro S W22-T-0-0			●					
wallbox type 2 AC, socket 22kW, RFID	EVLunic Pro S W22-T-R-0			●					
wallbox type 2 AC, socket with shutter 22kW	EVLunic Pro S W22-S-0-0	●	●		●				
wallbox type 2 AC, socket with shutter 22kW, RFID	EVLunic Pro S W22-S-R-0	●	●		●				
wallbox type 2 AC, cable (4m) 11kW	EVLunic Pro S W11-G4-0-0					●		●	
wallbox type 2 AC, cable (4m) 22kW	EVLunic Pro S W22-G4-0-0					●		●	
wallbox type 2 AC, cable (4m) 22kW, RFID	EVLunic Pro S W22-G4-R-0					●		●	
wallbox type 2 AC, cable (6m) 22kW	EVLunic Pro S W22-G6-0-0					●			●
wallbox type 2 AC, cable (6m) 22kW, RFID	EVLunic Pro S W22-G6-R-0					●			●
wallbox type 1 AC, cable (4m) 4.6kW	EVLunic Pro S W4.6-P4-0-0						●	●	
wallbox type 1 AC, cable (4m) 4.6kW, RFID	EVLunic Pro S W4.6-P4-R-0						●	●	

1-phase	3-phase	10A	13A	16A	20A	25A	32A	DC Leakage detection	Energy Meter	Metering MID	Enable input	Switch contact output output	USB	Ethernet RJ45 (debug)	Ethernet LSA+	UDP	Slave (OCPP, Loadmanagement)	Master (OCPP, Loadmanagement)	UMTS/3G	RFID (Mifare)	Key switch	VDE Certified
●		●	●	●	●			●					●	●								
●		●	●	●	●			●					●	●								
●		●	●	●	●			●					●	●								
●		●	●	●	●			●					●	●								
	●	●	●	●	●	●	●	●			●	●	●	●								●
	●	●	●	●	●	●	●	●			●	●	●							●		●
	●	●	●	●	●	●	●	●			●	●	●								●	●
	●	●	●	●	●	●	●	●			●	●	●									●
	●	●	●	●	●	●	●	●			●	●	●							●		●
	●	●	●	●				●			●	●	●									●
	●	●	●	●				●			●	●	●							●		●
	●	●	●	●	●	●	●	●			●	●	●								●	●
	●	●	●	●	●	●	●	●			●	●	●									●
	●	●	●	●	●	●	●	●			●	●	●							●		●
	●	●	●	●	●	●	●	●			●	●	●								●	●
●		●	●	●	●			●			●	●	●									●
●		●	●	●	●			●			●	●	●							●		●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●					●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●			●		●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●					●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●			●		●
	●	●	●	●				●	●		●	●	●	●	●	●	●					●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●					●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●			●		●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●					●
	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●	●			●		●
●		●	●	●	●			●	●		●	●	●	●	●	●	●					●
●		●	●	●	●			●	●		●	●	●	●		●	●			●		●

—
Electric vehicles charging
ABB EVLunic

Description	Name	Renault Z.E. ready	EV Ready	Type 2 Socket	Type 2 Socket + Shutter	Type 2 cable	Type 1 cable	Cable length 4m	Cable length 6m
wallbox type 2 AC, socket 22kW	EVLunic Pro M W22-T-0-0			●					
wallbox type 2 AC, socket 22kW, RFID	EVLunic Pro M W22-T-R-0			●					
wallbox type 2 AC, socket 22kW, UMTS/3G	EVLunic Pro M W22-T-0-C			●					
wallbox type 2 AC, socket 22kW, RFID, UMTS/3G	EVLunic Pro M W22-T-R-C			●					
wallbox type 2 AC, socket with shutter 22kW	EVLunic Pro M W22-S-0-0	●	●		●				
wallbox type 2 AC, socket with shutter 22kW, RFID	EVLunic Pro M W22-S-R-0	●	●		●				
wallbox type 2 AC, socket with shutter 22kW, UMTS/3G	EVLunic Pro M W22-S-0-C	●	●		●				
wallbox type 2 AC, socket with shutter 22kW, RFID, UMTS/3G	EVLunic Pro M W22-S-R-C	●	●		●				
wallbox type 2 AC, cable (4m) 11kW	EVLunic Pro M W11-G4-0-0					●		●	
wallbox type 2 AC, cable (4m) 11kW, UMTS/3G	EVLunic Pro M W11-G4-0-C					●		●	
wallbox type 2 AC, cable (4m) 22kW	EVLunic Pro M W22-G4-0-0					●		●	
wallbox type 2 AC, cable (4m) 22kW, RFID	EVLunic Pro M W22-G4-R-0					●		●	
wallbox type 2 AC, cable (4m) 22kW, UMTS/3G	EVLunic Pro M W22-G4-0-C					●		●	
wallbox type 2 AC, cable (4m) 22kW, RFID, UMTS/3G	EVLunic Pro M W22-G4-R-C					●		●	
wallbox type 2 AC, cable (6m) 22kW	EVLunic Pro M W22-G6-0-0					●			●
wallbox type 2 AC, cable (6m) 22kW, RFID	EVLunic Pro M W22-G6-R-0					●			●
wallbox type 2 AC, cable (6m) 22kW, UMTS/3G	EVLunic Pro M W22-G6-0-C					●			●
wallbox type 2 AC, cable (6m) 22kW, RFID, UMTS/3G	EVLunic Pro M W22-G6-R-C					●			●
wallbox type 1 AC, cable (4m) 4.6kW	EVLunic Pro M W4.6-P4-0-0						●	●	
wallbox type 1 AC, cable (4m) 4.6kW, RFID	EVLunic Pro M W4.6-P4-R-0						●	●	
wallbox type 1 AC, cable (4m) 4.6kW, UMTS/3G	EVLunic Pro M W4.6-P4-0-C						●	●	
wallbox type 1 AC, cable (4m) 4.6kW, RFID, UMTS/3G	EVLunic Pro M W4.6-P4-R-C						●	●	
Pedestal for one wallbox - stainless steel	EVLunic P1								
Pedestal for two wallboxes - stainless steel	EVLunic P2								
Triangle pedestal for two wallboxes - stainless steel	EVLunic T2								

* MID certified models will be available in 2018

	1-phase	3-phase	10A	13A	16A	20A	25A	32A	DC Leakage detection	Energy Meter	Metering MID	Enable input	Switch contact output output	USB	Ethernet RJ45 (debug)	Ethernet LSA+	UDP	Slave (OCPP, Loadmanagement)	Master (OCPP, Loadmanagement)	UMTS/3G	RFID (Mifare)	Key switch	VDE Certified
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●				●
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●		●		●
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●			●
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●	●		●
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●				●
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●		●		●
		●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●	●			●
		●	●	●	●	●		●		●	●		●	●	●	●	●	●		●	●	●		●
		●	●	●	●					●	●		●	●	●	●	●	●		●				●
		●	●	●	●					●	●		●	●	●	●	●	●		●	●			●
		●	●	●	●	●	●	●		●	●		●	●	●	●	●	●		●				●
		●	●	●	●	●	●	●		●	●		●	●	●	●	●	●		●		●		●
		●	●	●	●	●	●	●		●	●		●	●	●	●	●	●		●	●			●
		●	●	●	●		●	●		●	●		●	●	●	●	●	●		●	●	●		●
		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●				●
		●	●	●	●	●	●	●	●	●	●		●	●	●	●	●	●		●		●		●
		●	●	●	●	●	●			●	●		●	●	●	●	●	●		●	●			●
		●	●	●	●	●	●	●		●	●		●	●	●	●	●	●		●	●	●		●
	●		●	●	●	●			●	●		●	●	●	●	●	●		●				●
	●		●	●	●	●			●	●		●	●	●	●	●	●		●		●		●
	●		●	●	●	●			●	●		●	●	●	●	●	●		●	●			●
	●		●	●	●	●			●	●		●	●	●	●	●	●		●	●	●		●