

Dynamic Load Balancing

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DYNAMIC LOAD BALANCING

TeltoCharge have the ability to communicate with dedicated smart energy meter and regarding to its readings, adjust used electrical power. Such functionality allows to protect house electrical grid from overload in peak hours and optimize energy usage to meet user habits. Smart energy meter should always be installed in source electrical cabinet as showed below.



Smart meter and TeltoCharge communication

Smart meter and TeltoCharge communicates via Modbus RS-485 protocol. In order to achieve smooth communication, it is recommended to use communication cable according to this protocol. Check example below



Note: *Communication cable should be integrated with power cable.*

Supported energy meters

In order to strive for wider applicability and compatibility, we constantly test and add new supported devices into list. All of the supported Energy meters and schematics how to connect them are provided below.

TeltoCharge supported smart energy meters

Energy meter manufacturer	Technical information	Configuration in mobile application	Wiring scheme
Carlo Gavazzi series 1-3	EM and ET models	Carlo Gavazzi settings	METER -> TELTOCHARGE
Siemens PACxxxx	PAC models	Siemens settings	METER -> TELTOCHARGE

ABB A4x ; B2x	A and B models	ABB settings	METER -> TELTOCHARGE
Eastron SDMxx	SDM models	Eastron settings	METER -> TELTOCHARGE
Inepro PRO380	PRO model	Inepro settings	METER -> TELTOCHARGE
Chint	Chint models	Chint settings	METER -> TELTOCHARGE
Entes	ES models	Entes settings	METER -> TELTOCHARGE
Acrel	Acrel models	Acrel settings	METER -> TELTOCHARGE

More coming soon...