

eSTORE 512-200-0

All in one solution, energy storage with xEMS

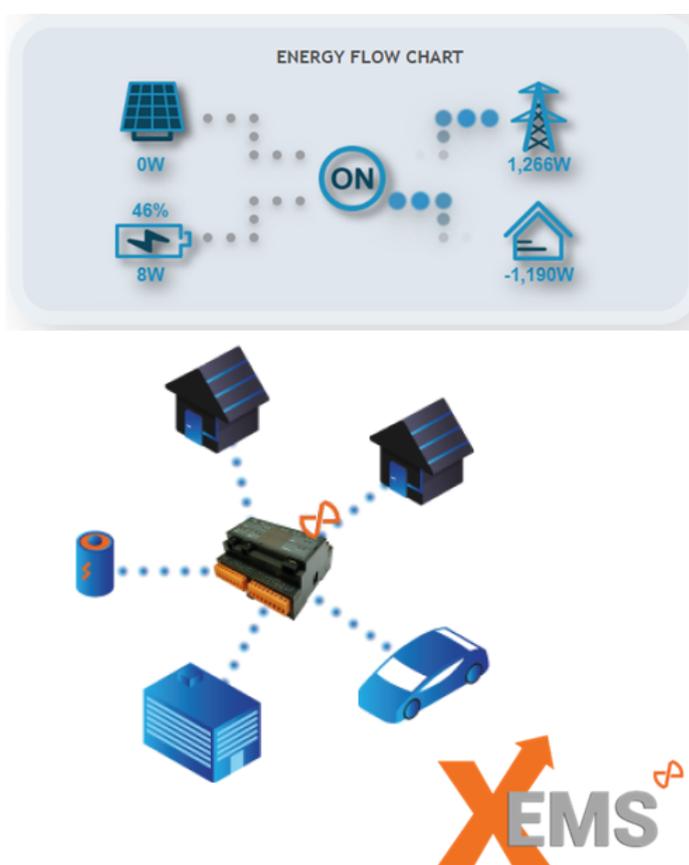
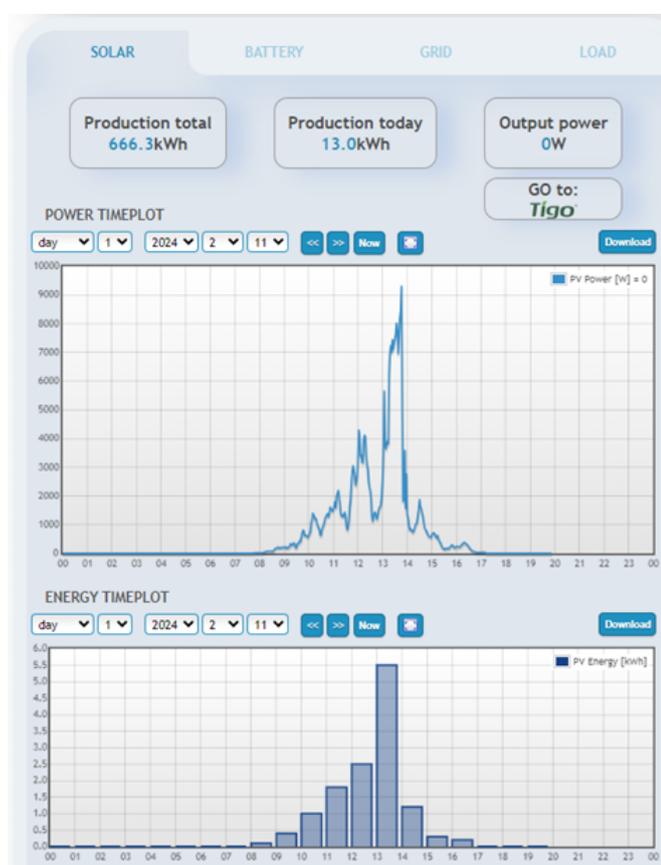


Order code:	eSTORE 512-200-O-M ...Outdoor, Master eSTORE 512-200-O-S ...Outdoor, Slave
Description:	high performance ESS with EMS
Connection:	AC
Battery technology:	LiFePO4

Battery cell:	Grade A prismatic cell
Cycles:	Over 6500 cycles with 80% DoD
Rack batteries:	RB 512-200-R
BMS:	High end BMS
EMS:	Robotina xEMS
Inverter:	Hybrid
PV:	Direct connection of 2 strings
UPS:	Supported (external equipment needed)

Features

Industry grade ESS with high energy and power density, scalability and excellent performance. Integrated EMS with advanced functionality and lifetime strategy upgrades. For residential, Commercial and Utility applications. xEMS provides dynamic energy flow management, peak shaving and other advanced functions.



Technical specification

Nominal power:	50kVA
Nominal storage capacity:	102.4 kWh
Max.AC Output Power (10s)	75kVA
PV input	65kW
Charge temperature:	0..45°C
Discharge temperature:	-10..55°C

MBS communication:	CAN/S485
Self discharge:	<3.5%/Mo
Energy management:	xEMS
Communication:	Ethernet/4G
User interface:	integrated web interface
Integration interface:	API, OPC, Modbus, Digital twin
Weight:	1400kg
Dimensions (WxHxD):	1500x1220x980mm
Installation method:	floor-standing
Environment:	Outdoor, under roof
Air conditioning:	1.5 kW, DC power

