

PV+ESS+EVC SOLUTION

EMS AS MASTER CONTROLLER

Support of Sungrow EV + PV via Logger1000

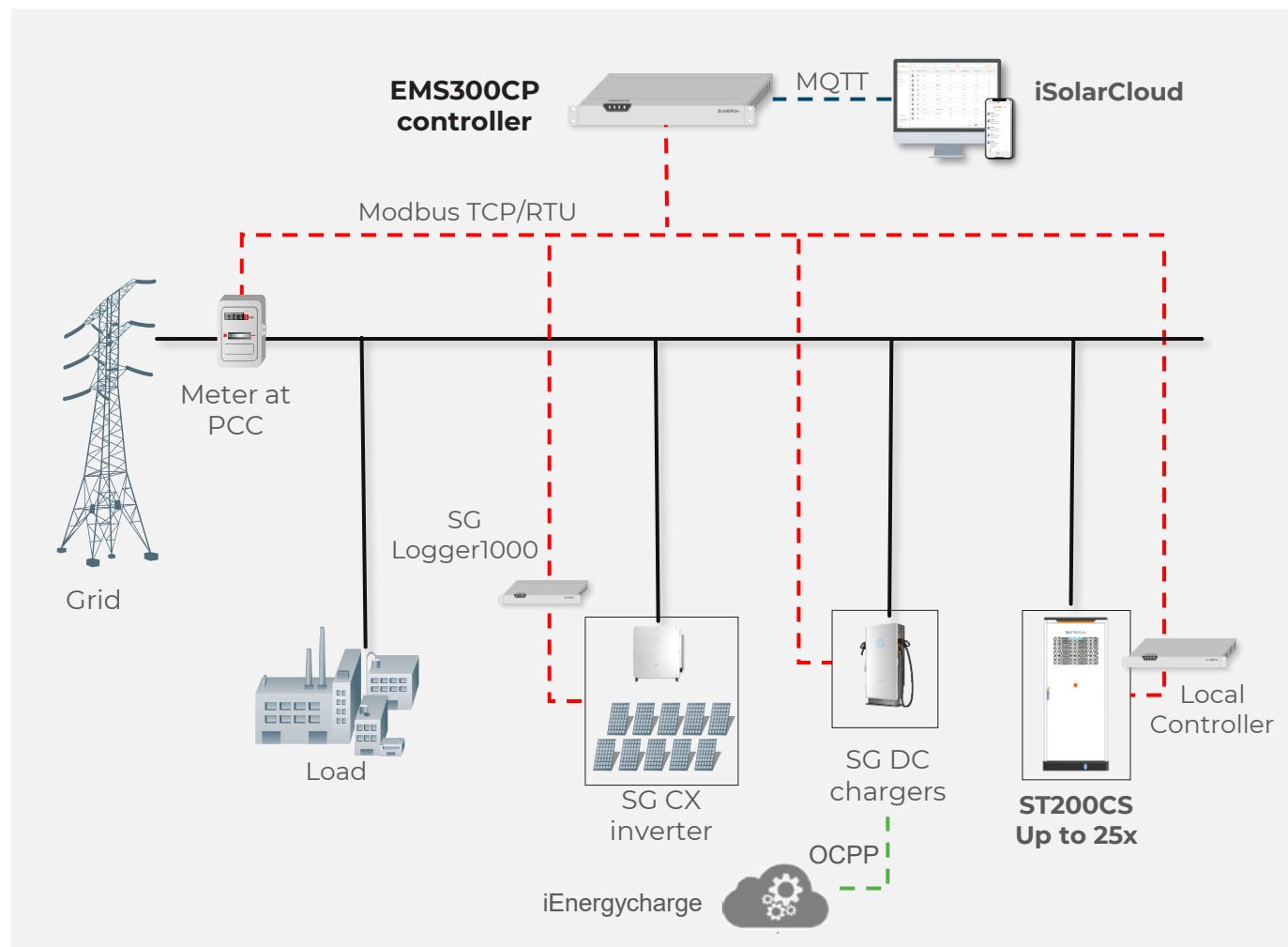
Time Plan (will be replacing time of use)

Zero-Export with 1.3s response time

Demand charge control

P/Q control

EMS300CP can be controlled by External EMS via Modbus TCP protocol



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3° PARTY EMS AS MASTER CONTROLLER

Control of 3° party PV inverters, batteries and EV chargers

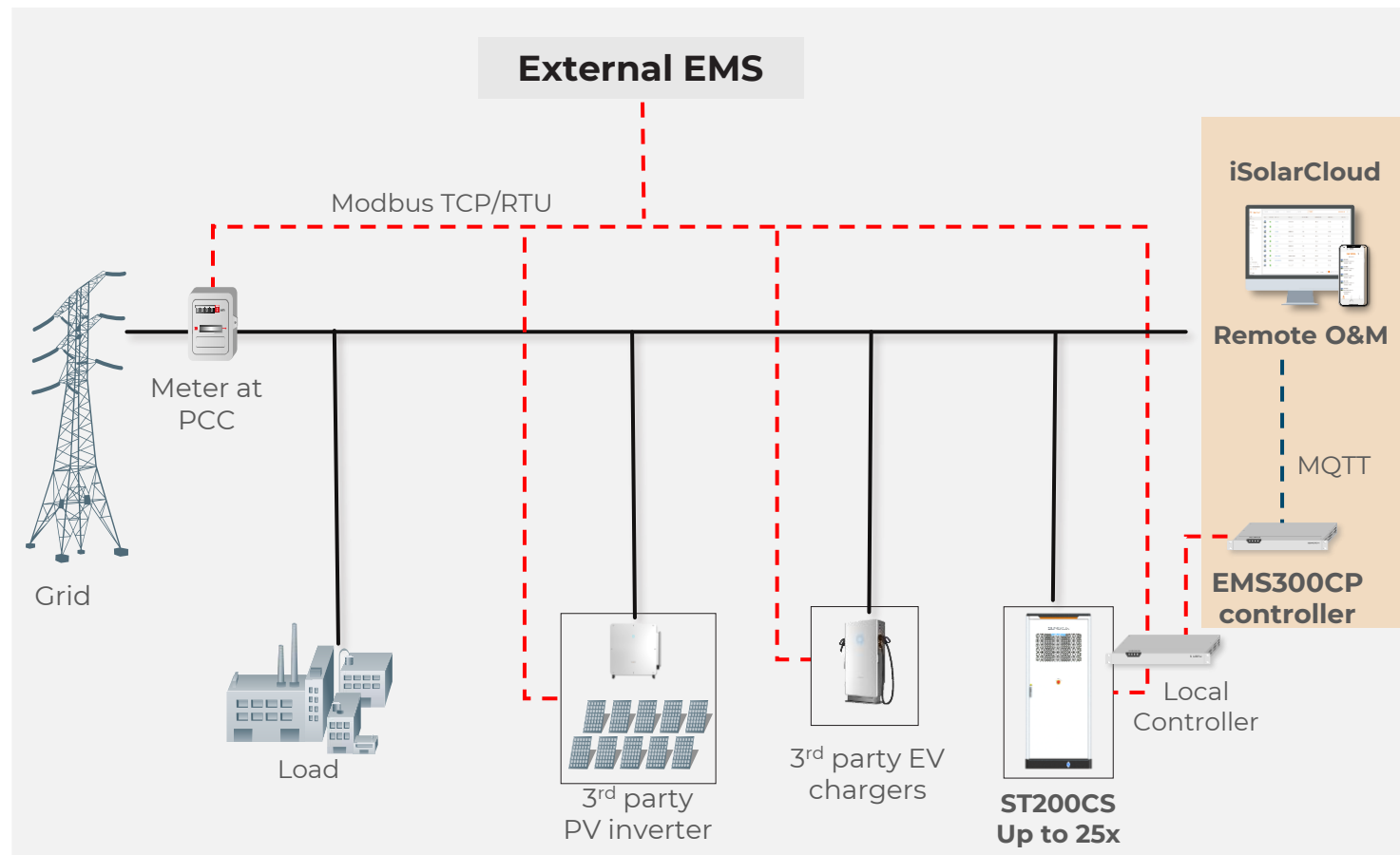
Frequency regulations or ancillary services

Energy trading via market APIs

Dynamic pricing via API

Control based on AI prediction of PV and load forecasts

EMS300 for remote FW update and O&M (mandatory)



System solutions

Operating Modes & Configurations



	Supported by EMS300CP	Need of 3rd party EMS
Zero export or feed-in limitation	X	
Self-Consumption	X	
Time plan	X	
Support of Sungrow devices (PV inverters, chargers)	X	
Control of 3° party PV inverters, batteries and EV chargers		X
Energy Trading & Dynamic pricing		X
Ancillary Services		X
Offgrid applications	X	
Control based on AI prediction of PV and load forecast		X
P/Q control	X	

