



Storage Systems

PSEC – Pramac Smart Energy Controller



- Improved safety and stability
- Always accessible via cloud-based digital twin

High adaptability for wide range of applications



Commercial and Industrial buildings:

Peak shaving, Self-consumption optimization, Time-of-Use

- Buffer storage for EV fast charging: Increasing usable power output
- Urban storage or new buildings:
 Reducing the load on the transformer
- Energy trading:
 Open interfaces for participation in the energy market



- Continous over-the-air (OTA) updates
- All functionalities included ex works no license model
- New features at no additional cost

Hardware

Technical specification		Pramac Smart Energy Controller
Power supply		 24 VdcUPS for controlled shutdown and recovery
Current input		1.5 A
СРИ		 Raspberry Pi CM4 Modul ARM v8 quad-core 1.5 GHz CPU up to 32 GB eMMC Flash Memory
Working temperature range		+10+40°C
Humidity range		0-90 % (non-condensing)
Connectors	USB	 V 2.0 Micro-USB AB (OTG-Flash-Port V 2.0 USB-A (Host Port)
	LAN	10/100 Mbit/sDedicated MAC adresses for OT/IT use
	loT	• 4x internal bus connection module (RS485, RS232, CAN, Digital-IO)
Specifications	RTC	Battery-buffered system time Battery life: 3 years
	LED	Mains LED – green Status LED – multicoloured Activity LED (8x) - multicoloured
	Handling	Reset button (push) Programmable button (push)
	Security	Dedicated security chip on board (TPM)
	Temperature	I2C temperature sensor
Mounting		DIN-Rail (6 units / DIN 43880)
Dimensions (WxDxH)		106x63x90 mm

Software

Basic functions

