

eManager Energy Management System Module

eManager became the smart brain of SAJ eleX energy management system, to connect the BESS and whole smart home, manager the energy dispatch under AI management.

- ❑ Intelligent linkage heat pump
- ❑ Generation data metering & Intelligent energy scheduling
- ❑ Fast configuration, Enable inverter parallel function
- ❑ Integrated meter, built-in CT, removable interface easy installation
- ❑ Support 5G+2.4G WiFi bluetooth



eManager

Energy Manager	eManager
Connection to Portal	Ethernet or WiFi via router
Connection of PCS or Inverters	RS485 communication via RJ45 port on the PCS or inverters
Connection of Appliances for Energy Management	elekeeper APP or elekeeper Portal
Integrated Measuring Device	
Measurement Accuracy	≤1 %
Measuring Cycle [ms]	50
Max. Number of Devices on the System (excluding the SMA Energy Meter)	
Total Number of Devices in the System	up to 6 PCS or 9 inverters
Inputs (voltage and current)	
Nominal Voltage [V]	110 / 120 / 220 / 230 / 240
Frequency [Hz]	50 / 60
Nominal Current/limiting Current per Line Conductor [A]	63 (>63 A can be covered via external current transformers)
Connection Cross-section [mm ²]	10 to 16 (for 63 A application)
Torque for Screw Terminals [Nm]	1.5
Ambient Conditions in Operation	
Ambient Temperature [°C]	-25 to +40
Storage Temperature Range [°C]	-25 to +70
Protection Class (according to IEC 62103)	II
Degree of Protection (according to IEC 60529)	IP20
Operation Altitude Range [m]	0 to 2000
General Data	
Dimensions [W*H*D] [mm]	108*105*67
Top Hat-rail Width Units	35mm DIN Rail
Weight [kg]	0.5
Mounting Location	Switch or meter cabinet
Mounting Type	Top-hat rail mounting
Status Display	3 x LED
Self-consumption [W]	< 3
Features	
Operation and Visualization	via elekeeper APP or elekeeper Portal
Update Function for eManager and the Connected SAJ Devices	Remote update via elekeeper Portal or bluetooth connection update via elekeeper APP
Warranty [years]	3