

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 funcation
- 🖸 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) | П |
| 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 |