eManager-C1 Pro

The emanager-C1 pro designed for commercial and industrial PV plants and energy storage projects. Combining EMS controllers, smart meters, and switches, it streamlines system integration, data management, and centralized monitoring. With 4G, Ethernet, Bluetooth, and RS485 communication, it offers flexible networking options. Accessible via local and remote mobile platforms, it enables intelligent monitoring and efficient operation. Tailored solutions cater to diverse scenarios, boosting both generation and storage revenue.

Intelligent Management

- 7*24 hours monitoring, Real-time access to plant-wide information
- Peak shaving, demand control, self-use mode, backup power mode, intelligent export limitation, and battery limit protection control
- Local & remote monitoring O&M, 24 hours real-time monitoring
- Cloud-side collaboration to achieve remote operation

Flexible and Reliable

- Adaptable to various scenarios such as PV, ESS, and PV+ESS solutions
- Supports multiple communication methods including 4G, Bluetooth, Ethernet, and RS485
- System level real-time monitoring , centralized monitoring, with high control precision
- Real-time push notifications for alarms.

Easy Install

- Integrated EMS controller, smart meter, and switch into one unit
- Simplifies wiring for C&I projects
- Integrated design with IP65 protection for easy installation

Model	eManager-C1 Pro
General Parameters	
Application	Commercial and Industrial Projects
Communication	Bluetooth/4G/Ethernet/RS485
Data Collection Interval [Min]	1~30[Optional], 5[Standard]
Firmware Update Method	Ethernet/USB/Remote
Data Access Method	Web/APP/Local Web
Electrical Parameters	
Input DC Voltage	9~36Vdc
Input AC Voltage	176~300Vac
Input Frequency [Hz]	50/60
Max. Power [W]	50
General Data	
Operating Temperature Range [℃]	-25~60
Ambient Humidity	5%-95% (Non-condensing)
Dimensions [H*W*D][mm]	300*400*170
Weight [kg]	7.5
Ingress Protection	IP65
Mounting	Wall-mounted
Box Material	PC
Ordering Information	
eManager-C1 Pro	The smart communication box eManager-C1 Pro includes EMS controllers eManager-C1, ethernet switch（optional）, and smart meters（optional).

* eManager-C1 Pro is recommended to be used for CHS2 2~10 parallel connection application.