GoodWe HomeKit

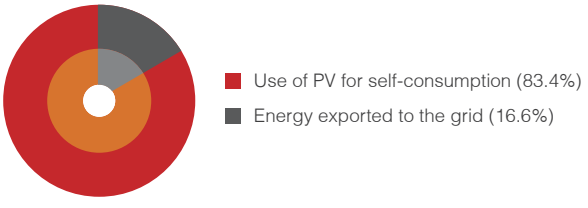
GoodWe HomeKit is a solution designed to monitor load energy consumption in real time, 24 hours a day. Based on the best principles, the HomeKit is tailored for homeowners' needs and only requires an internet connection. It consists of a smart meter and a Wi-Fi/LAN communication module. An additional advantage of GoodWe HomeKit is that it can be applied to grid-connected systems with inverters of any brand or even systems without PV and it is a key component in keeping load consumption records. With a 60-second update frequency, data is transmitted by Wi-Fi/LAN and stored on the cloud. End users benefit from a better understanding of their electricity consumption and the source from which it is generated. Moreover, if used together with a GoodWe inverter, HomeKit can limit the power exported to the gid.

- 24-7 Real-time Consumption Monitoring
- Double CT Design - Super Accurate Measurement
- Work with Inverters of Any Brand
- Export Power Control

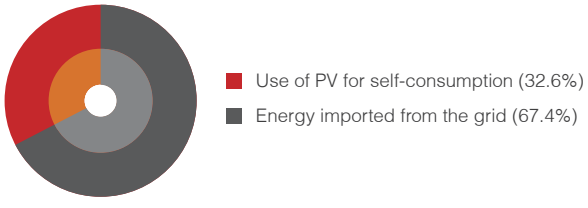
24-Hour Real-time Consumption Monitoring

HomeKit offers 24-hour real-time consumption control. With the assistance of the GoodWe monitoring platform SEMS, HomeKit can calculate self-consumption levels per day, month or year, providing a comprehensive overview of load consumption and the general effciency achieved in the use of solar energy. Furthermore, the power consumption of the HomeKit itself is insignificant, saving on additional electricity costs.

PV Generation: 15.1 kWh

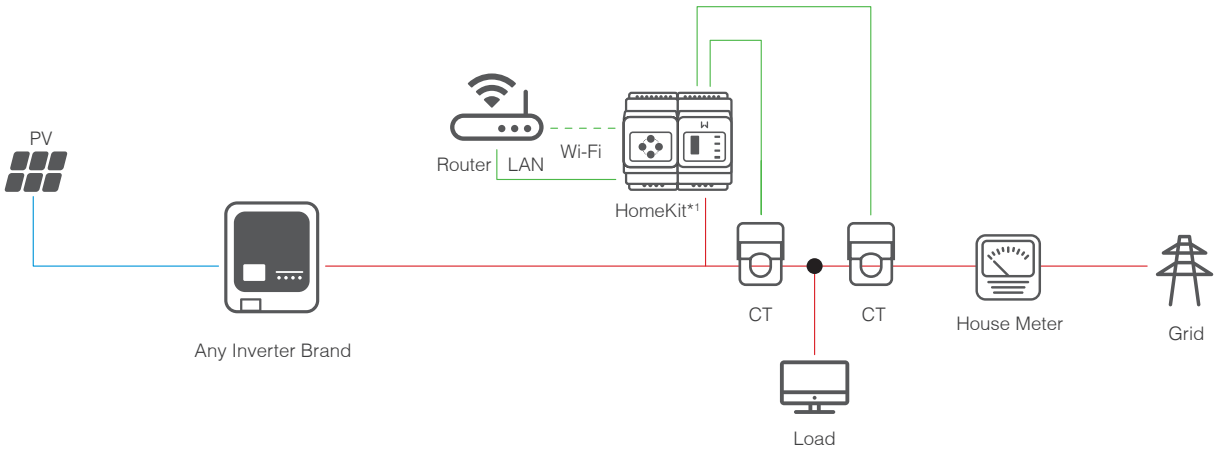


Loads Consumption: 38.7 kWh



Double CT Design - Super Accurate Measurement

GoodWe HomeKit is designed to connect with two CTs (Current Transformer), which can measure the inverter side and the grid side at the same time. to ensure maximum accuracy with less than 1% error rate.



MODEL		HK1000
Application		Household Loads Monitoring
Voltage	Rated Voltage	110V, 230V
	Voltage Range	100Vac~240Vac
	Frequency	50Hz / 60Hz
Current Input	Rated Current	CT in: 120A / 40mA
	Current Range	0.48A~120A
Self-consumption		<5W
Data Detection		Active Power / Reactive Power / Power Factor / Frequency
Energy Calculation		Active / Reactive Power Energy
Precision	Voltage / Current	Class 1
	Active Power	Class 1
	Reactive Power	Class 2
Communication		Wi-Fi or LAN
Interface		3 LED (Power, Energy Consumption, Communication), USB Port, Reset Button
Mechanical Parameters	Size (L × W × H)	36 × 85 × 66.5mm
	Weight	440g
	Protection Class	IP20 (For Indoor Use)
	Installation Method	Mounting Rack
Operating Temperature		-25 ~ +60°C
Operating Humidity		<95%, No Condensation
Altitude		<2000m