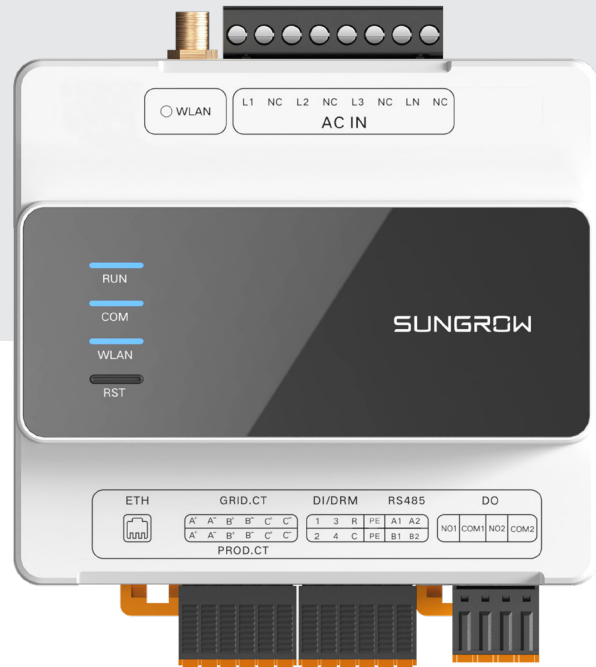


iHomeManager

iHomeManager is a smart home energy management device that optimizes electricity usage habits based on solar power generation forecasts, household load analysis, and local electricity prices. It maximizes the utilization of renewable energy, helping users save on home electricity costs. It also offers automatic power backup before severe weather conditions, providing advanced protection for users.

NEW



FLEXIBLE NETWORKING

- Supports RS485, Ethernet, WLAN communication
- Supports charging pile, battery and multiple inverters



CONVENIENT INSTALLATION

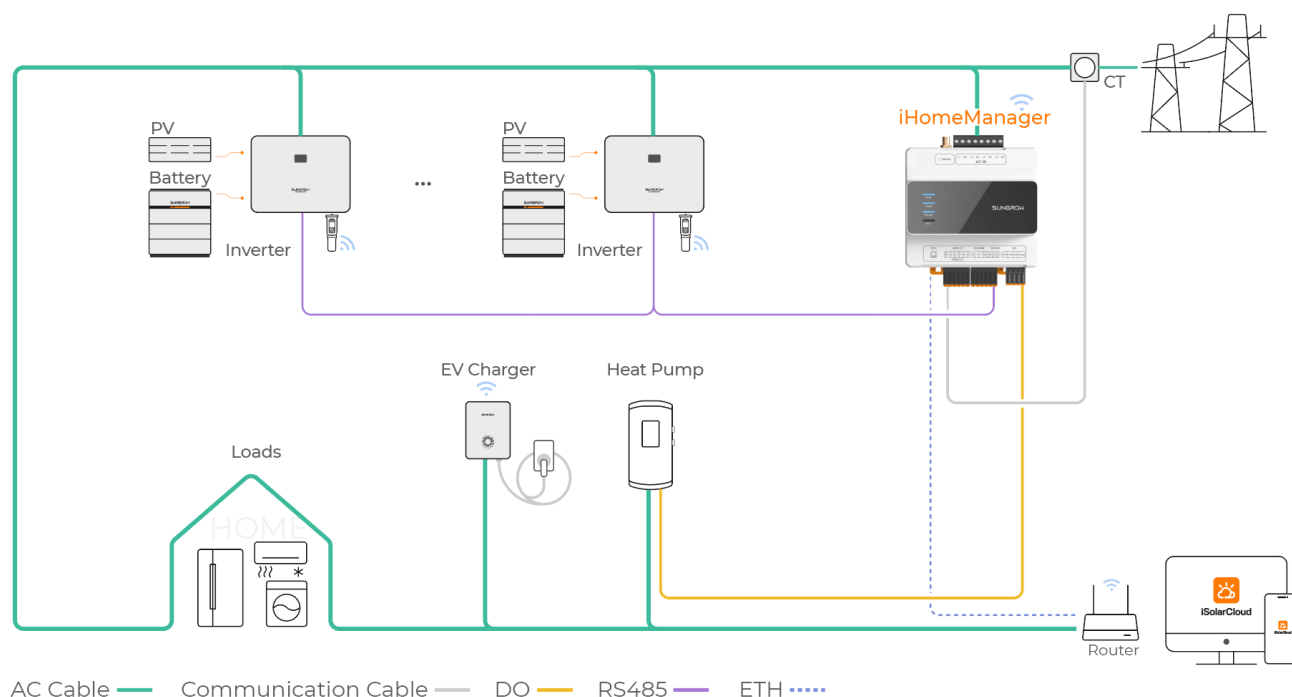
- Supports both wired and wireless networking with convenience
- Built-in meter removes the need to buy and wire an extra meter



EASY TO USE

- Intelligent AI dispatch to increase green power utilization and reduces electricity cost
- Intelligent forecasting and pre-charging to prevent blackouts in severe weather conditions
- Real-time tracking of power generation, clear visibility of load consumption, making power management easier

CIRCUIT DIAGRAM



* The iHomeManager supports both wired and wireless communication with the inverter. The above figure shows the wired solution

Technical parameters	iHomeManager
Basic data	
Supported device number	Max. 12 (the number of inverters ≤ 10, charging pile: 1, heat pump: 1)
Communication	
RS485	2 channels
Ethernet	1 channel, 10 / 100 Mbps adaption, communication distance ≤ 100 m
Digital input	5 channels (4 channels for dry contact input, 1 channel for RC short circuit emergency stop)
Digital output	2 channels, dry contact output
External CT interface	6
Accuracy of built-in meter	Level 1 (error ≤ 1 %)
Sampling period	50 ms
WLAN	802.11 b/g/n/ax, 2.4 GHz
Antenna	Supports built-in and external
Power supply	
AC input	Three phase three wire : 415 Vac (L-L) Three phase four wire : 415 Vac (L-L) ,230 Vac (L-N)
Power consumption	≤ 9 W
Ambient conditions	
Operating temperature	-30 °C - 60 °C
Allowable relative humidity range	0 % - 95 %, non-condensing
Max. operating altitude	4000 m
Protection class	IP20
Mechanical parameters	
Dimensions (W*H*D)	108 mm * 95 mm * 65 mm
Weight	< 800 g
Installation	DIN Rail / Wall mounting
Standard compliance	
Certification	CE