

iHomeManager **NEW**

iHomeManager is an intelligent home energy management device. Based on PV yield predictions, load analysis and local tariffs, it helps to maximize the use of green energy, improve self-consumption rate, and offer auto power backup against extreme weather.



FLEXIBLE NETWORKING

- Supports RS485, Ethernet, WLAN communication
- Supports EV charger, battery, multiple microinverters and multiple inverters



EASY TO USE

- Intelligent AI mode-increase power usage with lower cost
- Smart prediction and pre-charging against blackouts
- Intelligent load profile based on real-time yield tracking



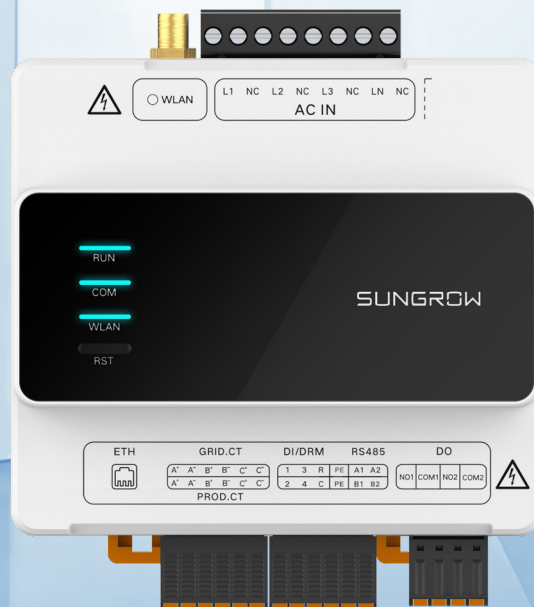
CONVENIENT INSTALLATION

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



ADVANCED CONTROL

- EnWG 14a ready
- Support for dynamic tariffs(NordPool, OTE, OMIE)
- Support peakshaving and phase by phase feed-in limitation



Technical parameters		iHomeManager
Basic data		
Supported device number	Max. 7 (System rated power ≤50 kW, meet the rated power requirements, the number of inverters ≤ 5, EV charger: 1, heat pump:1) or Max. 15 SG series of microinverter	
Communication		
RS485	2 channels, separated	
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	
Supported protocol	Modbus TCP, Modbus RTU, SunSpec	
External CT interface	2	
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	3P3W: 415 Vac (L-L) 3P4W: 415 Vac (L-L), 230 Vac (L-N)	
Power consumption	≤ 9 W	
Ambient conditions		
Operating temperature	-30 °C to 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 * 97 mm * 65 mm	
Weight	< 800 g	
Installation	DIN Rail / Wall mounting	
Standard compliance		
Certification	CE, RED	

* Contact Sungrow for Compatibility Details.