

Smart Gateway Pro



INTRODUCTION

The Smart Gateway Pro serves as the core of the OneHo home energy management system. Utilizing PLC-based real-time data monitoring, it ensures each microinverter operates at optimal performance. Equipped with robust wired and wireless connectivity, it supports multi-device access and management. Built-in intelligent algorithms enable autonomous control and optimization of the home energy system, supporting a greener, smarter lifestyle.

• Smart

- AI-driven whole-home energy management
- Smart management with flexible load priority settings
- Supports Dynamic Tariff
- Module-level monitoring
- AI predicts household energy use and optimizes control based on usage patterns and dynamic tariffs

• Scalable

- Supports management of up to 250 microinverters
- Supports PLC, RS485, CAN, DO, DI, Ethernet, WiFi, and BLE communication
- Pre-installed & connected, ready-to-use
- Supports single-phase and three-phase systems
- Supports integration with ecosystem devices such as Shelly and Tibber

• Safe

- Compliant with regulatory requirements and data privacy protection
- Built-in metering with multi-node energy monitoring
- Supports power export limiting and zero-export applications

Model	Unit	Smart Gateway Pro
Input(AC)		
Voltage	V	100-240
Current	A	0.12
Frequency	Hz	50/60
Overvoltage category	/	III
Single / Three-Phase Input	/	100-240
General Parameters		
Ambient temperature range	℃	-40~+60
Storage temperature range	℃	-40~+85
Relative humidity range	RH	0%~95%
Dimensions	mm	174x113x35
Weight	Kg	0.5
Protection rating	/	IP30
Cooling method	/	Natural convection
Pollution Degree	/	2
Altitude	m	4000
Enclosure	/	Plastic, Ungrounded
Others		
Wired Communication	PLC/Ethernet/RS485/CAN	
Wireless Communication	WIFI/4G/Bluetooth	
I/O	3*DI、4*DO	
Compliance		
Safety	EN18031	
EMC	EN/IEC61000-3-2, EN/IEC61000-3-3,EN55032/55035, EN50561-1, EN50412-2-1, ENIEC62311, EN301908-1/13, EN300328, EN301489-1/17/52, FCC Part 15B/15C/2	
Warranty		
Limited warranty	5-year	

Dimensions of Smart Gateway Pro

