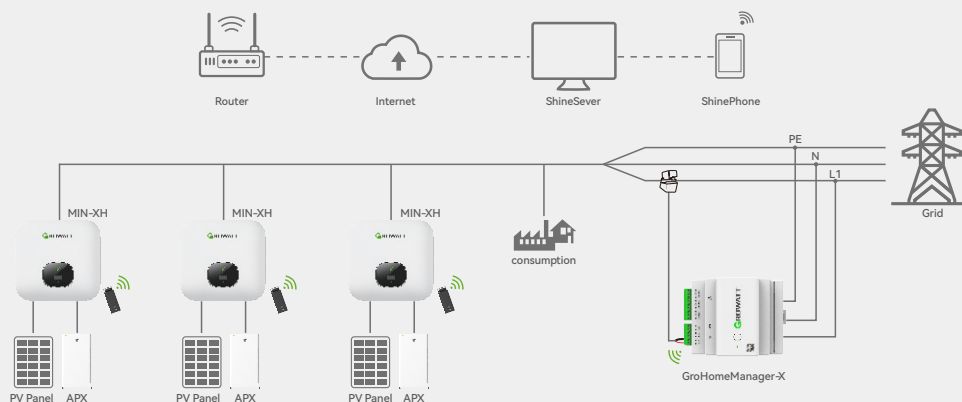


# GroHomeManager-X

- DIN35 Rail mounting
- Energy manager with advanced measuring capabilities
- Supports both cable and wireless communication
- Capable of monitoring up to 12 devices
- Compatible with single/three phase grid systems



**GroHome System Diagram**



Datasheet	GroHomeManager-X	ShineRFStick-X2
Communication		
Total number of managed devices	Monitoring only: 6pcs (12pcs for microinverter) Export limitation: 3pcs (6pcs for microinverter)	1
Connection to the local router	Ethernet/WiFi	/
Connection with inverters	RS485 or LoRa (ShineRFStick-X2 is required for inverter)	USB (Modbus RTU protocol)
Connection with GroHomeManager-X	/	Lora
RF wireless maximum communication distance	120m	120m
LoRa	868/915 MHz	868/915 MHz
Bluetooth	BLE4.2, 2.4GHz	BLE4.2 and above, 2.4GHz
WiFi	2.4GHz	2.4GHz
Interface		
Ethernet	1 port (RJ45)	/
RS485	3 ports	/
Display	LED Light	LED Light
USB	/	1 port
Application parameters		
Supported server	ShineServer	ShineServer (via GroHomeManager-X)
Server communication	TLS-TCP&MQTT	/
User configuration	APP configuration	APP configuration
General data		
Dimension (W/H/D)	100/81/66mm	122/47/32mm
Weight	0.3kg	66g
Installation	Rail mounting	USB plug and play, compatible with inverter installation
Top hat-rail width	35mm	/
Grid type	1P2W / 3P4W / 3P3W	/
1P2W nominal voltage	230Vac	/
3P4W / 3P3W nominal voltage	230Vac/400Vac	/
Sampling frequency	45-65Hz	/
Power consumption	9W	/
Operating voltage	/	5V(±5%)
Rated power	/	5W
Working current	/	1A
Storage temperature	-40°C~70°C	-40°C~+70°C
Environment protection rating	IP20	IP65
Relative humidity (non-condensing)	< 85%	5-95% (non condensing)
Warranty	2 years	2 years
Others		
CT information*	1 CT for 1P2W 2 CTs for 3P3W 3 CTs for 3P4W	
	100A/40mA	
		
CE, RoHS, UKCA		

\* The standard configuration includes three CTs. Please install and use them according to your specific requirements.

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