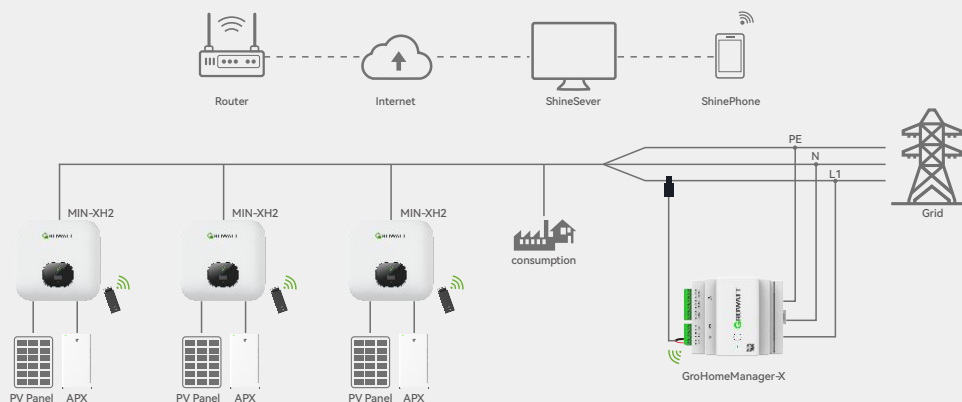



GroHomeManager-X

- 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 | 230V | / |
| 3P4W / 3P3W nominal voltage | 230V/400V | / |
| 3P3W nominal voltage(delta grid) | L-L 230V | / |
| 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 | | |

* GroHomeManager-X can be compatible with MOD-HU and MIN-XH2.

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

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