Huawei Digital Power Solution
Your Best Partner in Carbon Neutral Movement
Residential Product Introduction

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iSitePowerM Residential Solution

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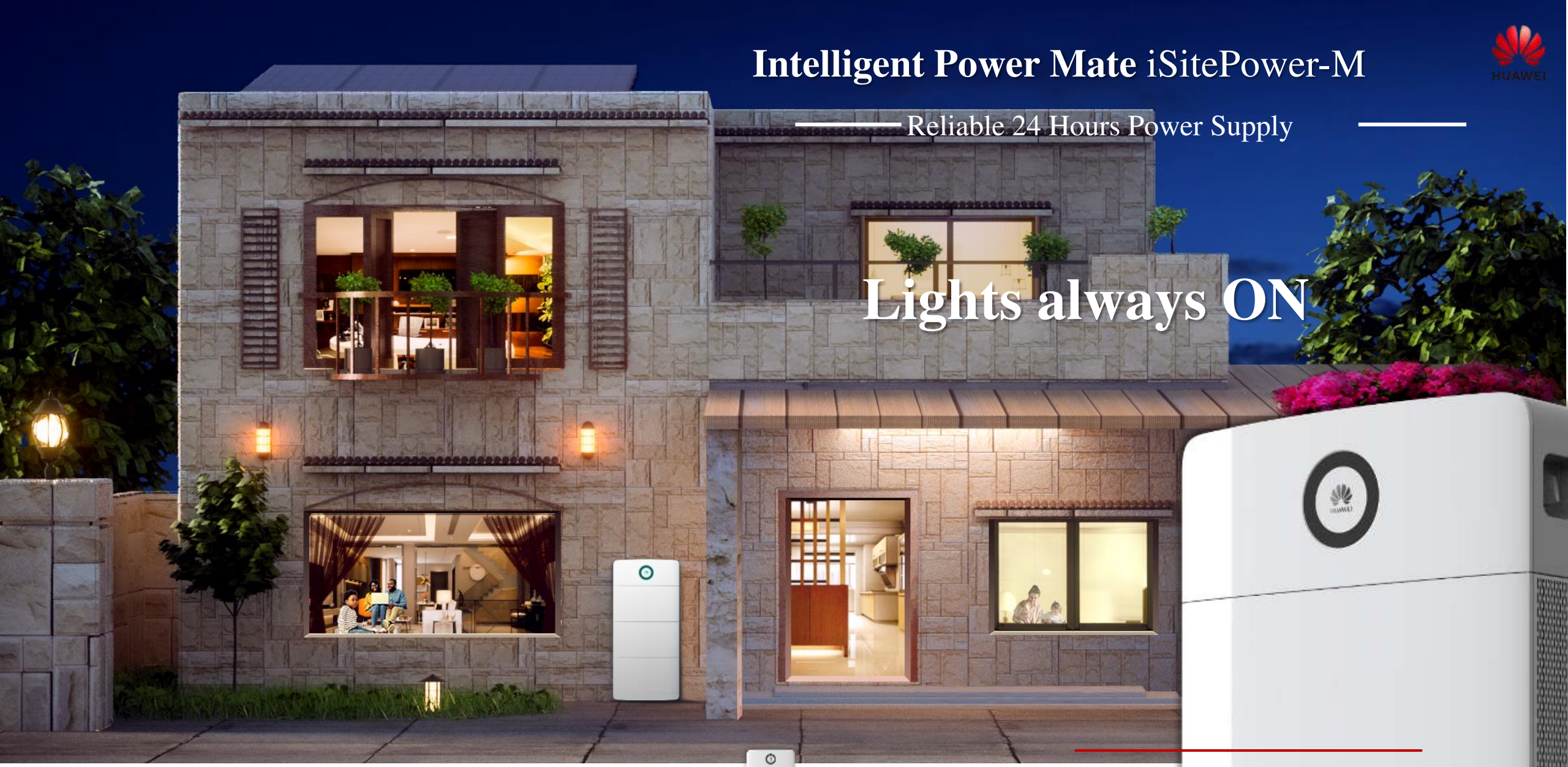
Stylish & Safe Architecture

Intelligent Power Mate iSitePower-M

Reliable 24 Hours Power Supply

Lights always ON



5kW large-capacity power supply

15 kwh large-capacity backup power

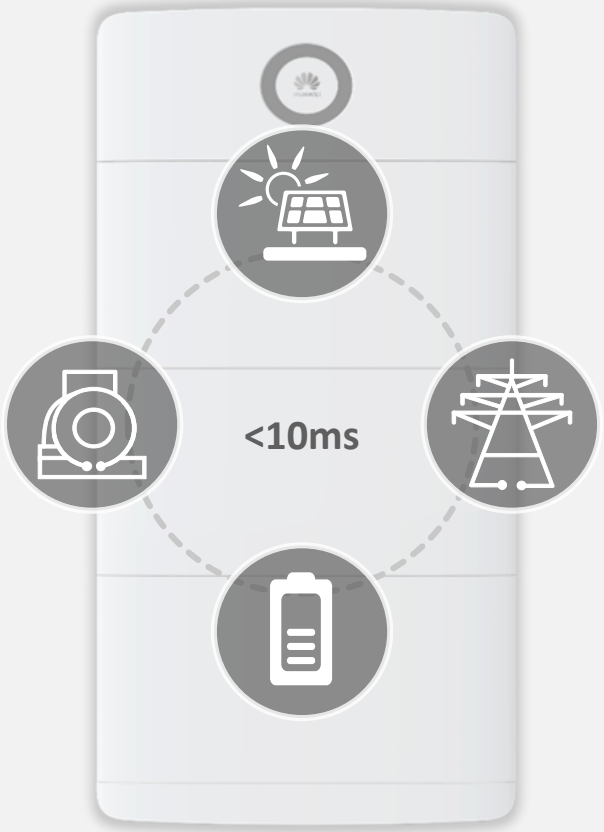
IP65 Protection level

Sleep-class silence

Long battery life

No Sense of Power Outage

24-hour
Power Supply



When Power outage

Restore your home power through iSite-Power-M

Switching Time:

10 ms

< Computer Switch-off Time

Recharge Time:

3 hour *

* Typical Solution: 15kW/45kWh

24-hour
Power Supply

Operate All-kinds of Situations

Resistance to

Power Grid Jump & Rise

90V~300V

Withstanding the Impact of the Device

Startup Current

>1.5 Times

Face Complicated Power Grid and Loads Environment in Stable Status

24-hour
Power Supply

Blend in with the environment

Dimension:

700x1471x158 mm

Area
0.1 m² < Fridge

Noise Level:

< 29 dB Operating Sound

≈ **Library level**
Whisper in the ear

Blend in with the Environment
Forget it & Enjoy the 24-hour Power Supply

Active

Safety

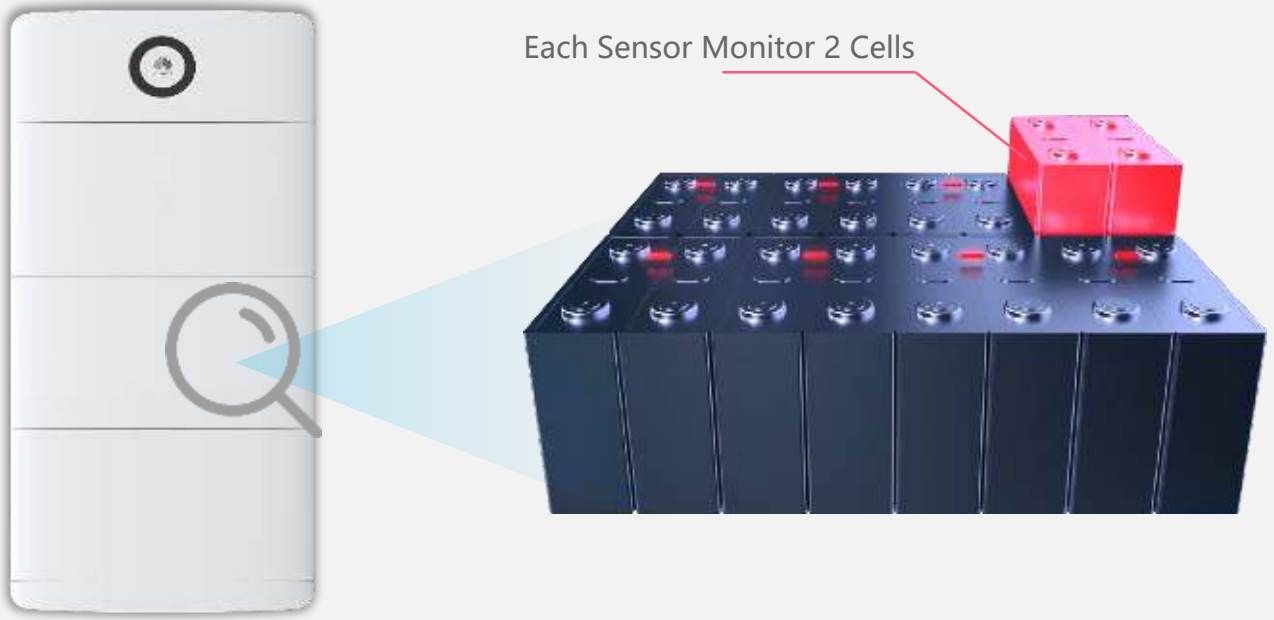
From Cell Level to System Level Safety Protection

3-Layer Protection

intertek
Total Quality. Assured.

Verified by IEC 62109

Cell-level Monitoring In Real Time

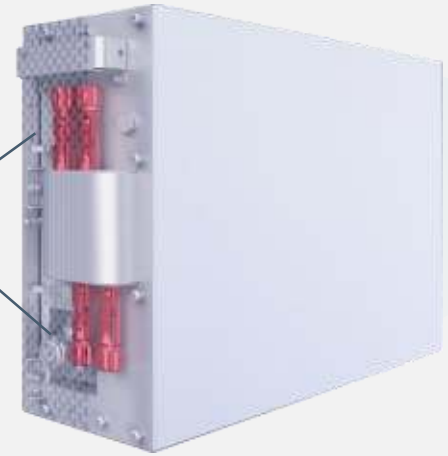


8 sensors supervise 16 cells

4x monitoring resolution than conventional solution

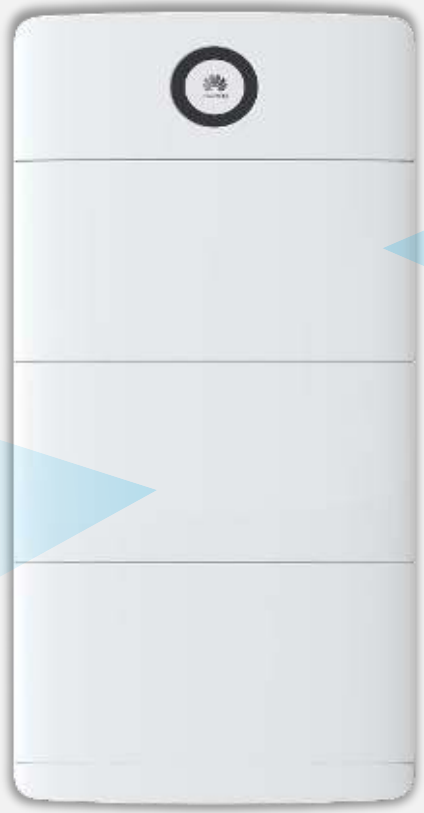
Each sensor works independently and monitors only 2 cells, achieving higher monitoring precision

Zero Voltage at Ports



0 V

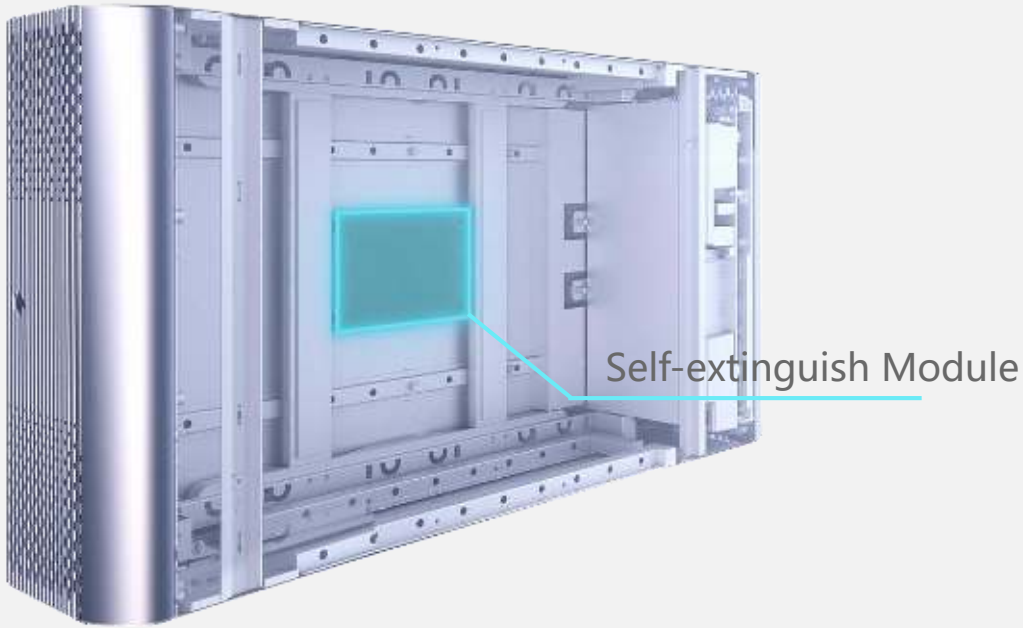
0V Ports Voltage
For Installation



DC Shutdown Switch
For Emergency

Auto Port Zero Voltage, Manual Emergency Shutdown
All-round security

Self-extinguish Bag



Module Weight

≤1kg

Fire-extinguishing time

≤15s

Material inside self-extinguishing module

K (bases), Melamine, Phenolic resin

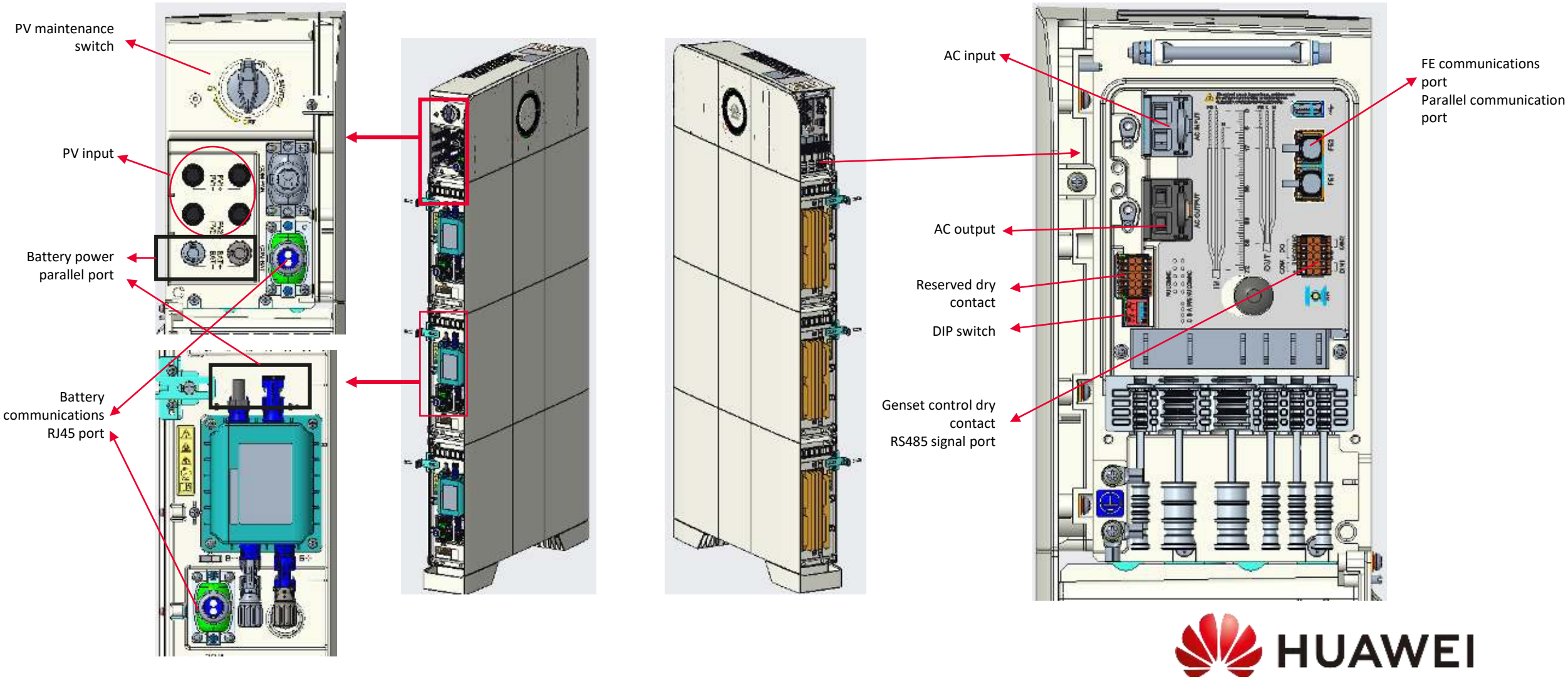
- A large amount of gas produced rapidly blows out the fire

- The active groups in combustion are reacted with the vaporized metal ion or the cation that lost the channel from the self-extinguishing module (K)
e.g.: $K+\bullet OH \rightarrow KOH$; $2K+O\bullet \rightarrow K_2O$

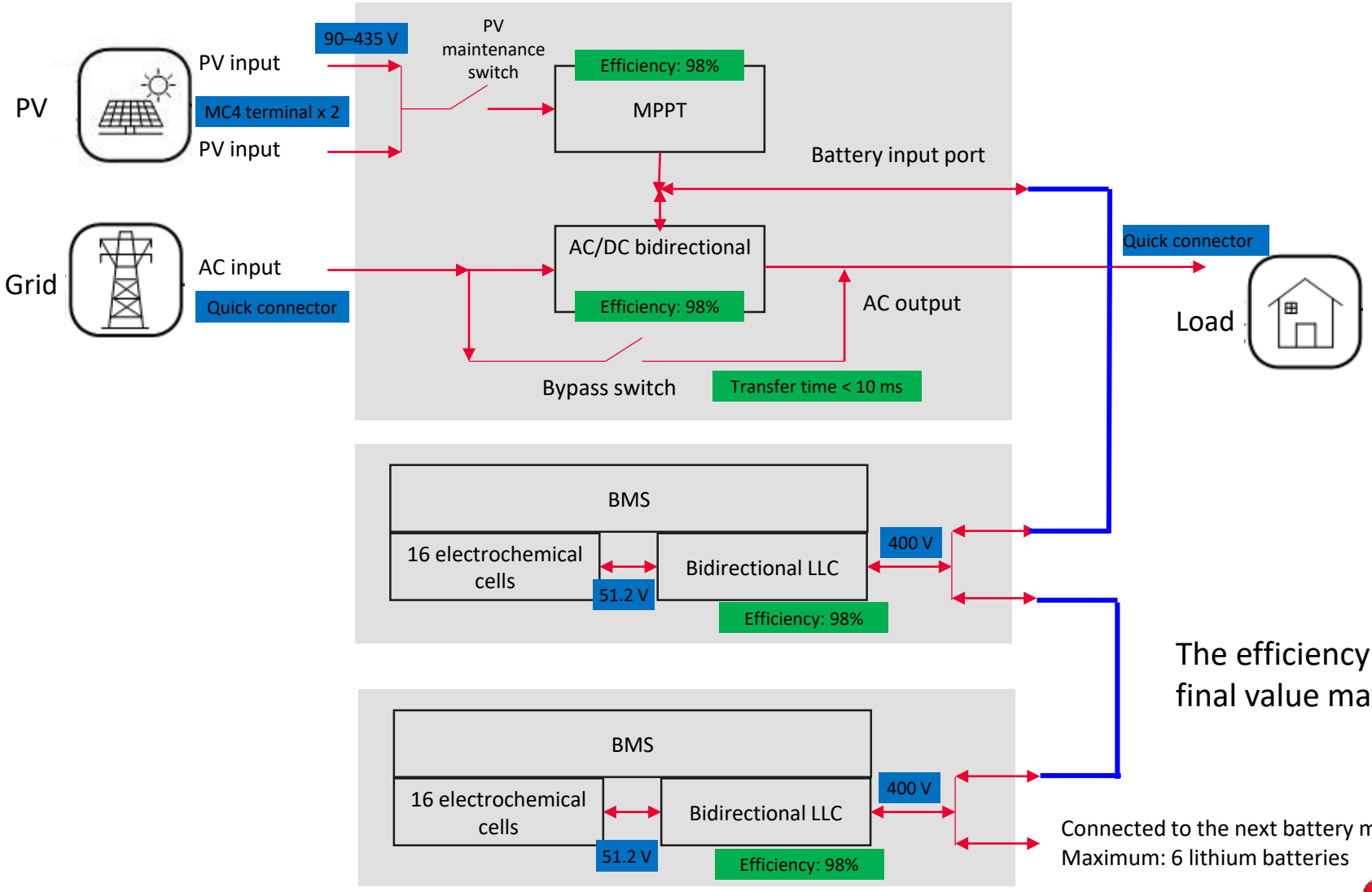
Chemical inhibition combined with inert gas extinguishing, effective extinguishing within 15 seconds

Technical

Ports on an iSitePower-M



iSitePower-M Power Topology



The efficiency is being commissioned and the final value may vary.

Connected to the next battery module in series.
Maximum: 6 lithium batteries

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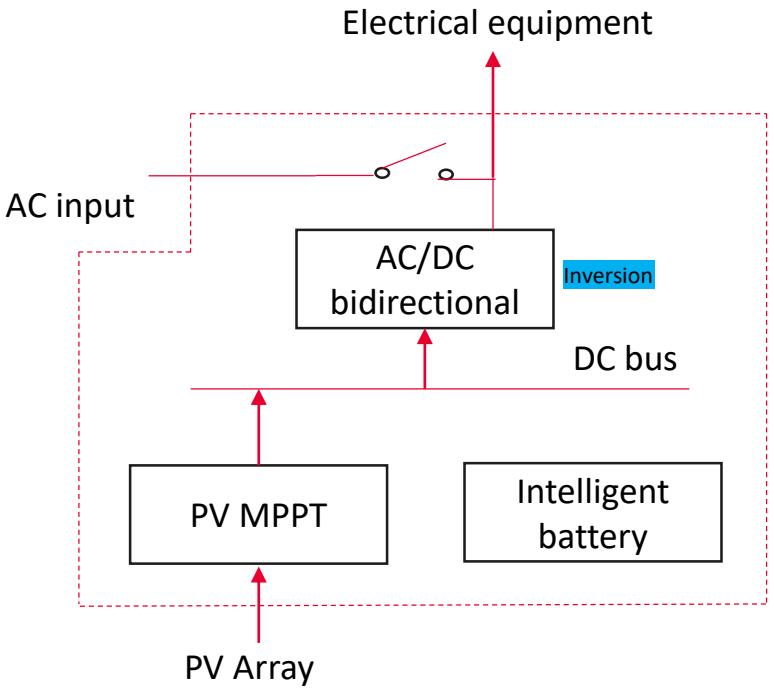
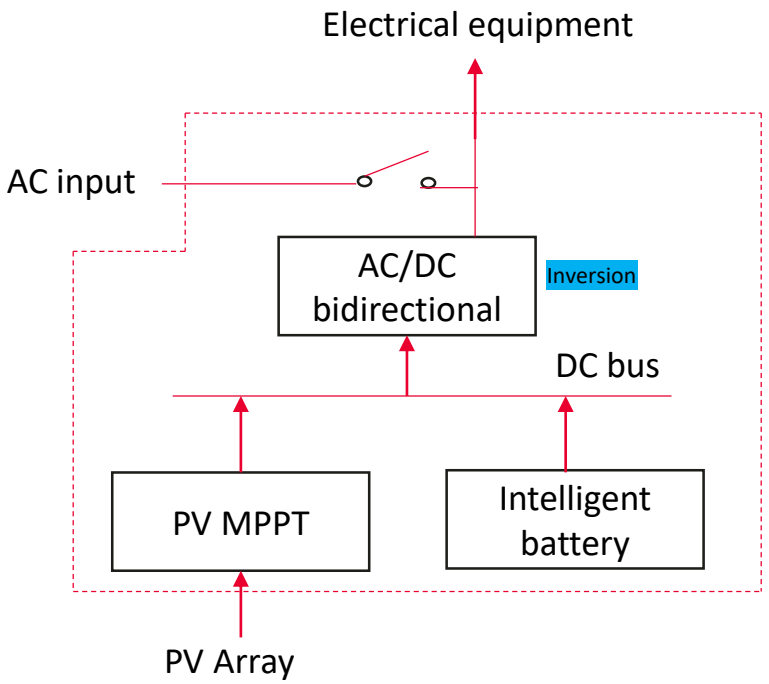
iSitePower-M Working Logic

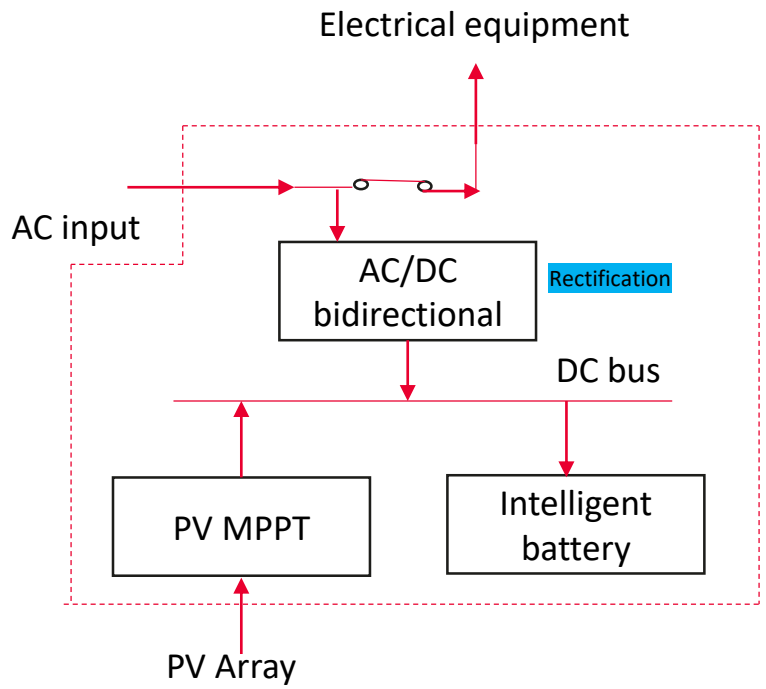


PV power > Electrical equipment power



PV power < Electrical equipment power

The battery level is greater than the preset value.



PV power < Electrical equipment power

The battery level is less than the preset value.

The working logic is as follows: PV > lithium battery > grid. Batteries are charged when the DOD drops to a preset value.

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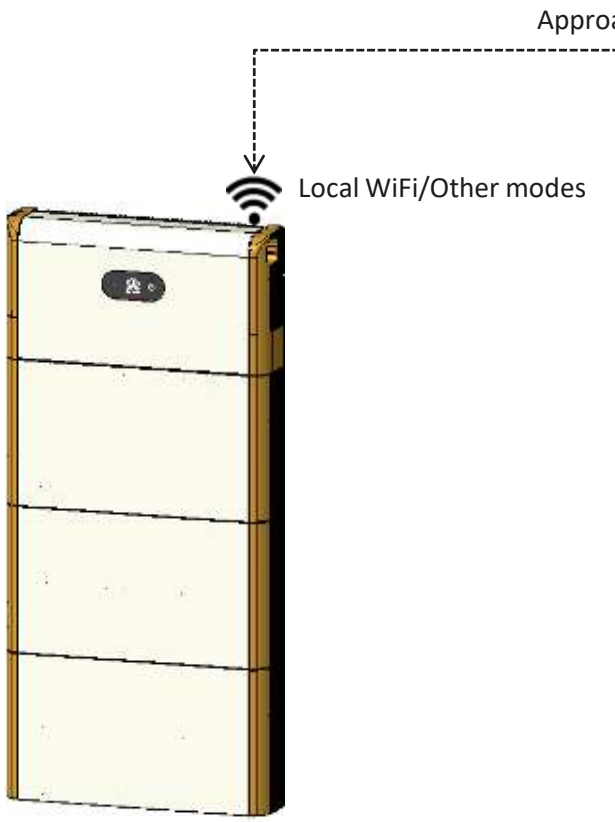
Networking Scenario – (Carriers and Integrated Energy Service Providers)



Whole link information

clear picture of power supply and usage

Device Information

Power Supply Information

Power Usage Information

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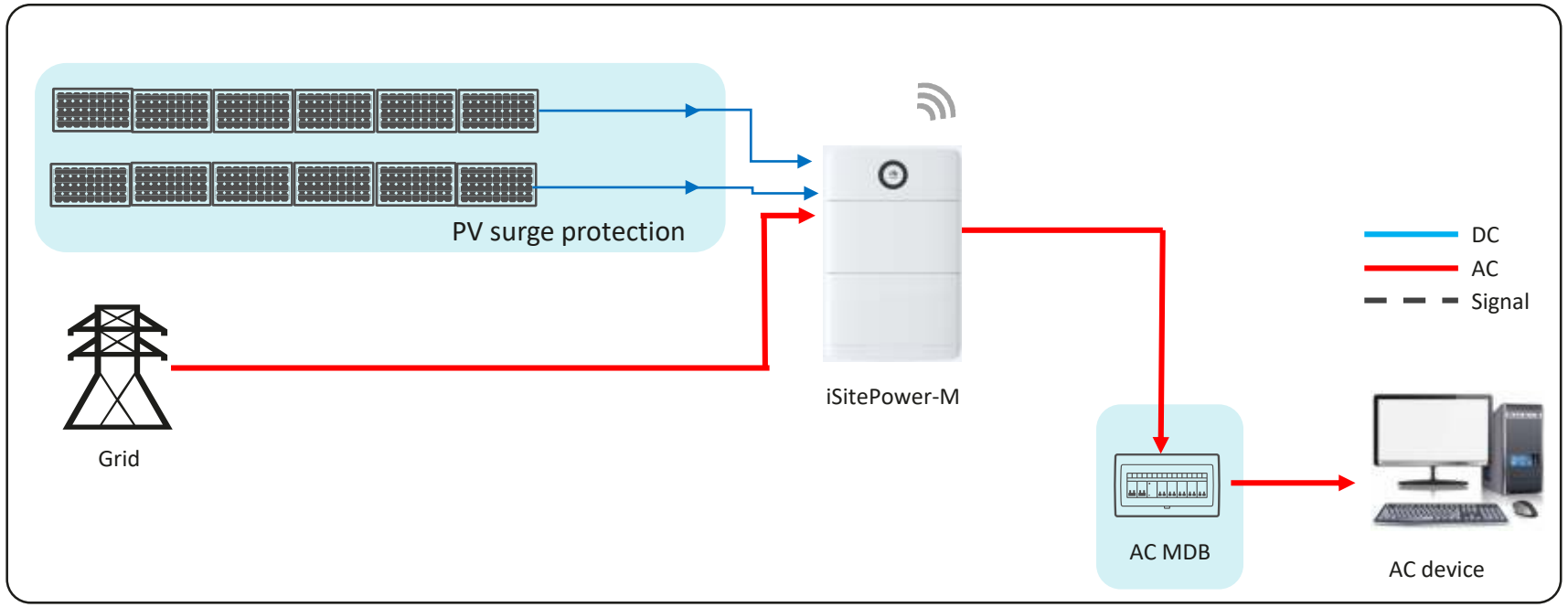
Configuration: 5 kWp PV Input, 5 kW AC Output, and 10 kWh Backup Capacity



- Supports two PV array inputs.
- The household power distribution box needs to be reconstructed according to the onsite load.

Item	Key Specification	Quantity	Remarks
PV storage inverter power module	PV generation capacity: 5 kW; off-grid output: 6 kVA/5 kW	1	
Battery module with high cycle performance	5 kWh energy storage, 2.5 kW output per battery module	2	
Ground-mounting bracket	iSitePower-M ground-mounting bracket	1	