

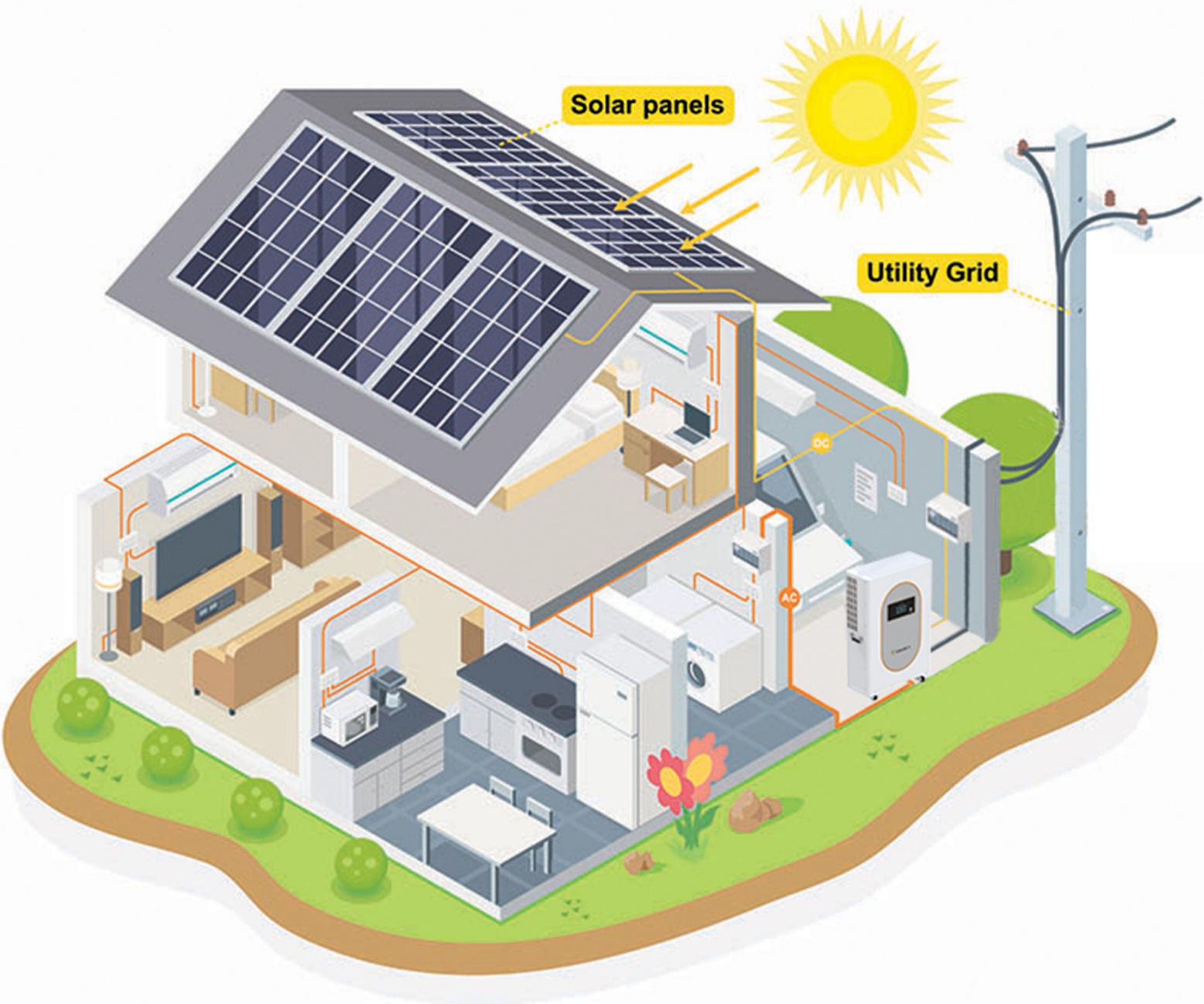
Energy Storage Power Supply

All in one 15kWh & 12kW

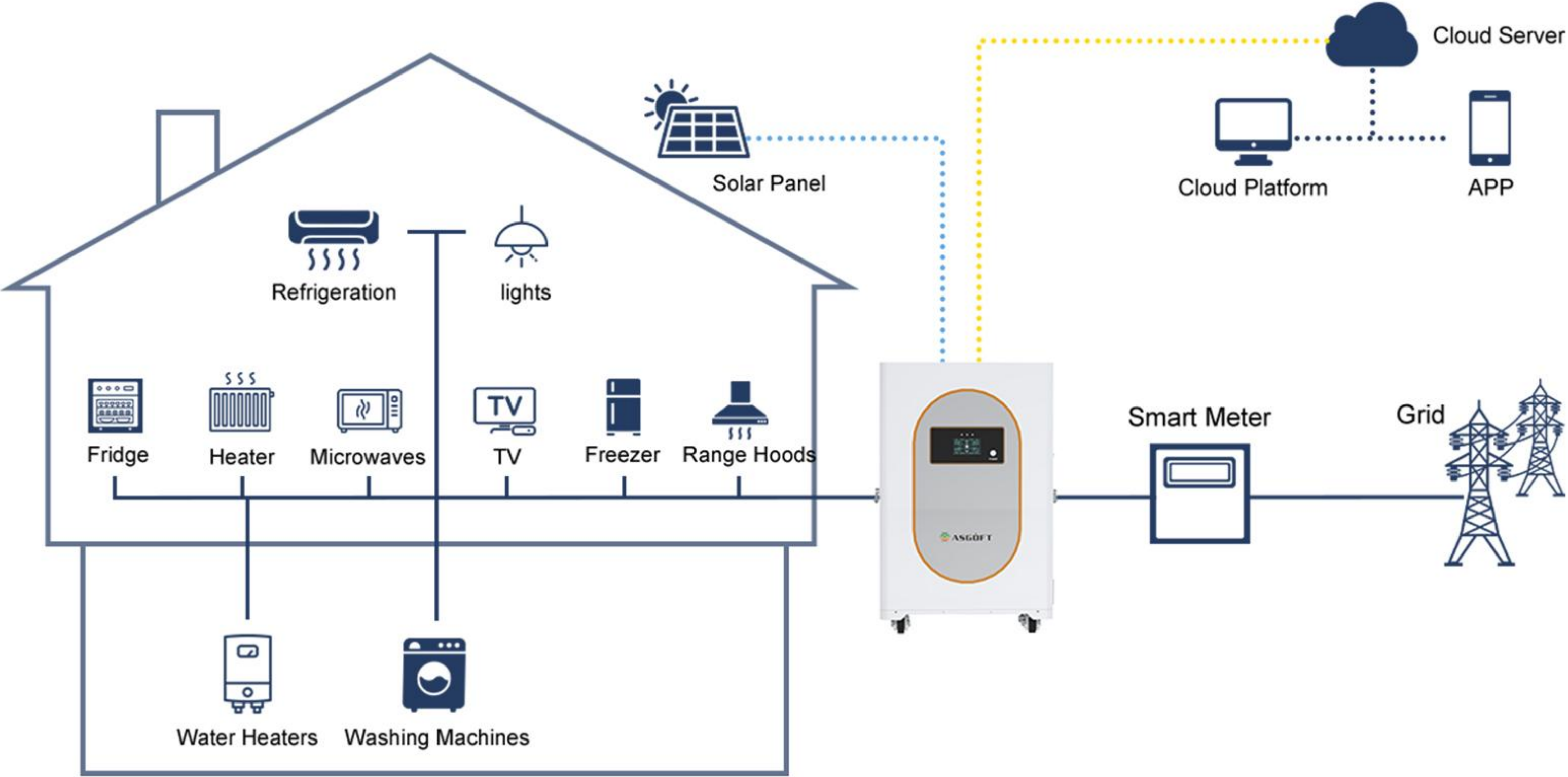


Utility Mode	
Nominal capacity	280Ah
Actual capacity	304Ah
Input Voltage	110V-220V
Frequency	50/60Hz
Overload/short circuit protection	250A Circuit Breaker
Maximum efficiency	>95%
Conversion time(bypass and inverter)	>95%
Biggest bypass overload current	240A
Inverter Mode	
Output voltage waveform	Pure sine wave
Rated output voltage (Vac)	120Vac (L1/N, L2/N)/240Vac(L1/L2)
Output voltage error	±5%
Output frequency range (Hz)	50Hz±0.3Hz/60Hz±0.3Hz
Maximum Efficiency	>91%
Power factor	1
Rated output power (VA)	Split phase: 12000 Single phase: 7600 (limited by the wiring terminals)
Rated output power (W)	Split phase: 12000 Single phase: 7600 (limited by the wiring terminals)
Peak power	Split phase: 18000VA Single phase: 18000VA
Loaded motor capability	6HP
Rated battery input voltage	51.2V (Minimum starting voltage 44V)
Output short circuit protection	Can protect, after continuous short circuit for 1 second
Bypass circuit breaker phase specification	2pole, 63A/63A(L1/L2)
PV/Battery Charging	
Largest PV open circuit voltage	DC 500V
PV operating voltage range	DC 90V~450V
Largest PV input current	160A
Specifications	
Certification	UL STD.1741
EMC certification level	FCC part15, CLASS B
Operating temperature range	-10°C to 55°C(>45°C derating)
Storage temperature range	-25°C ~ 60°C
Humidity range	5% to 95% (Conformal coating protection)
Noise	≤60dB
Heat dissipation	Forced air cooling, variable speed of fan
Communication interface	USB/RS485(/WiFi/GPRS)/ Dry node control
Cycle Life	10000 Cycles
Product size (L*W*H) mm	645*260*946
Net weight(kg)	≈160kg

Grid Connected to Power Your Home

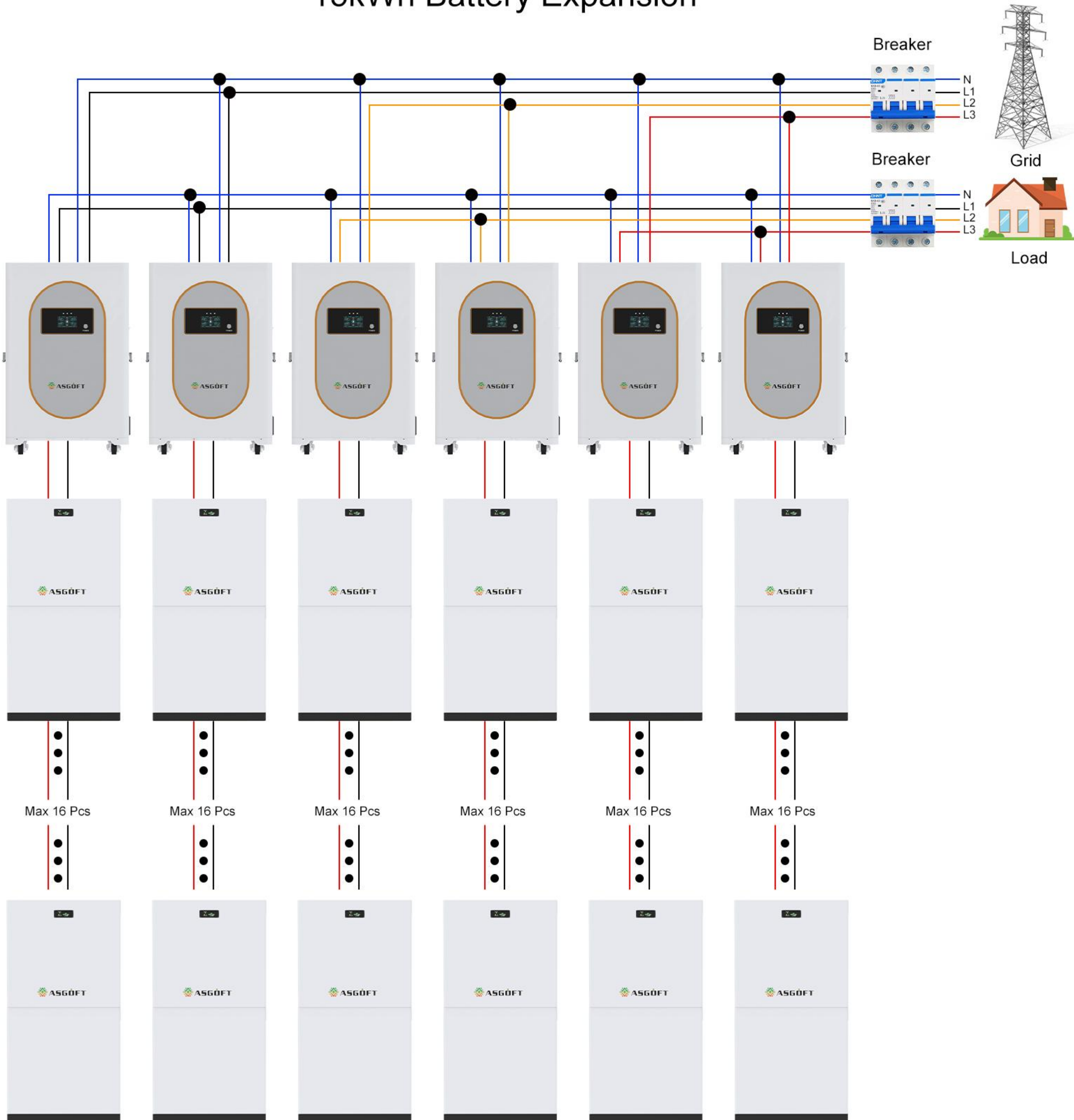


How It Works?

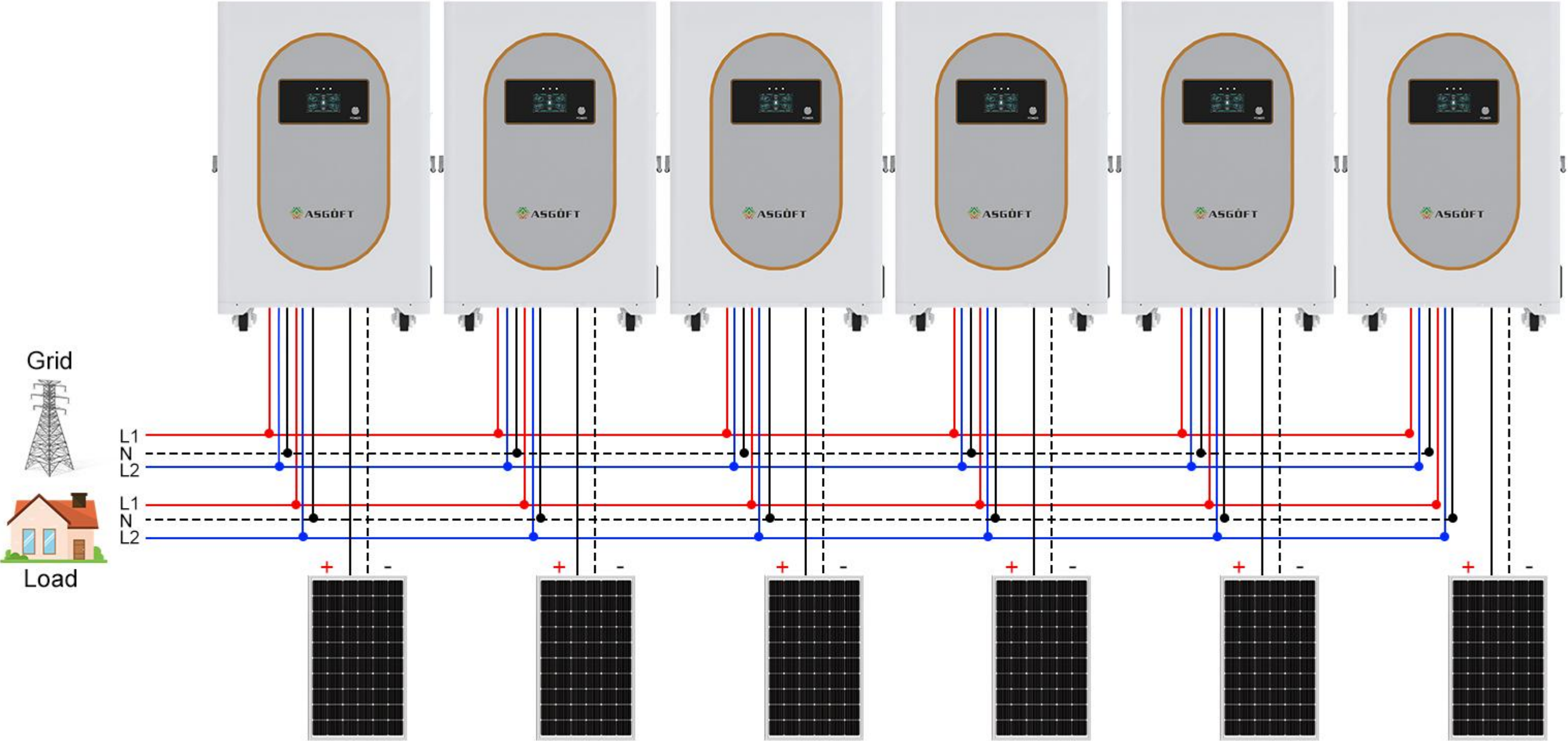


Home Energy Storage System

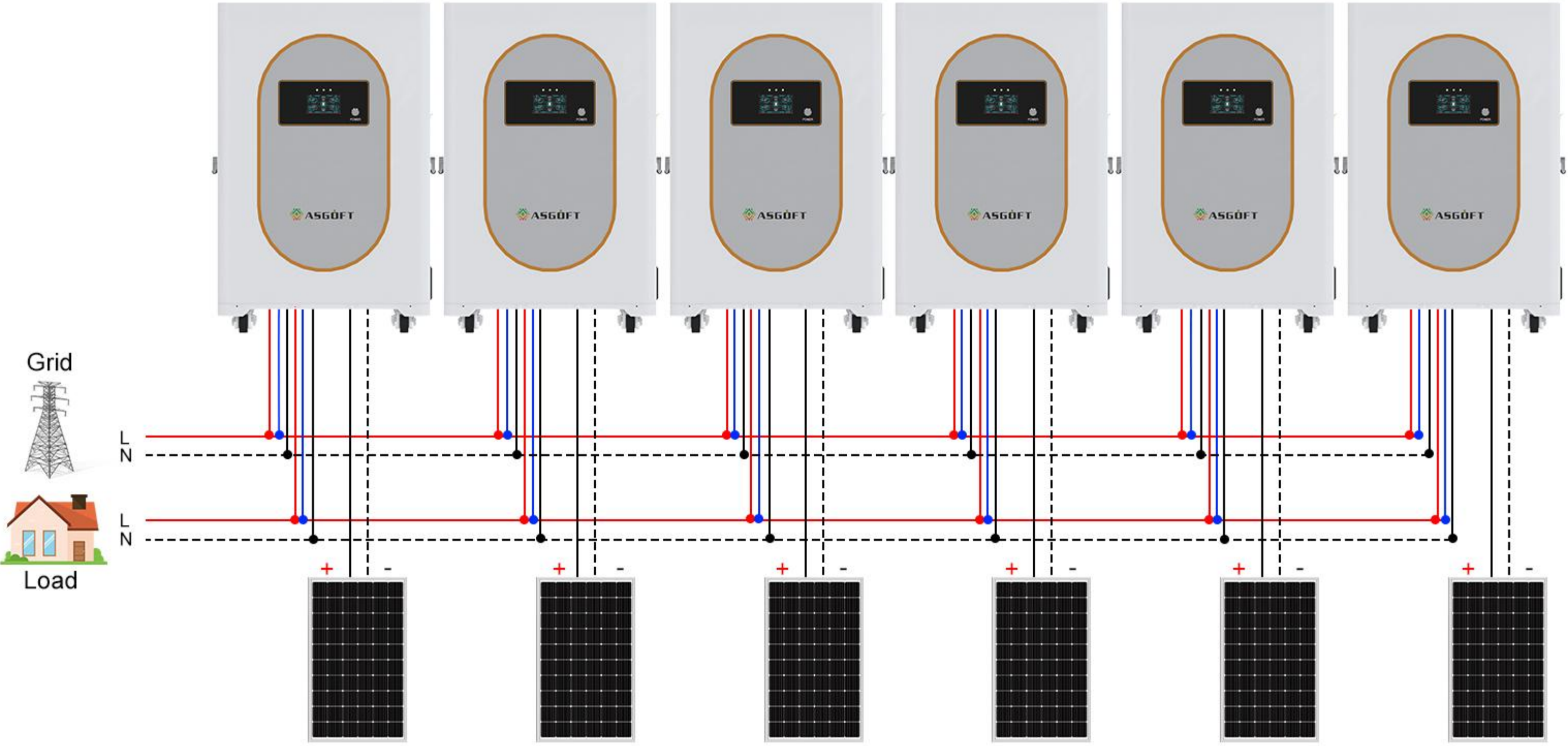
Each All-in-one Machine Supports **16** Units of 15kWh Battery Expansion



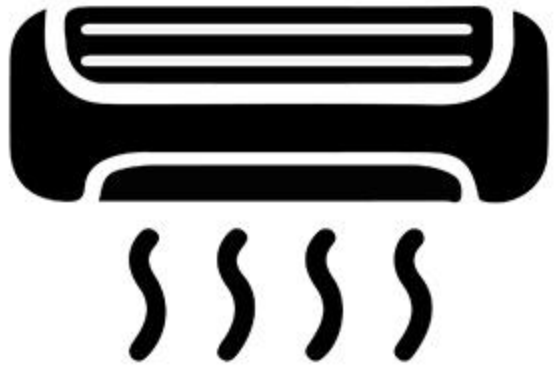
Max. 6 Pcs In Parallel (90kWh 72kW 240V)



Max. 6 Pcs Single Phase In Parallel (90kWh 72kW 240V)



Multiple Appliances



Air Conditioner
(700W)

20.48 Hours



Freezer Cabinet
(700W)

20.48 Hours



Washing Machines
(300w)

47.8 Hours



Drone
(500W)

28.7 Hours



Electric Drill
(800W)

18 Hours



Electric Vehicle
(350W)

41 Hours



Cropper
(800W)

18 Hours



Microwaves
(500W)

28.7 Hours



Vacuum
(1000W)

14.3 Hours



Rice Cooker
(800W)

18 Hours



Induction Cooker
(1100W)

13 Hours



Range Hoods
(350W)

41 Hours

Integrated Life Energy Storage Solution

INDOOR



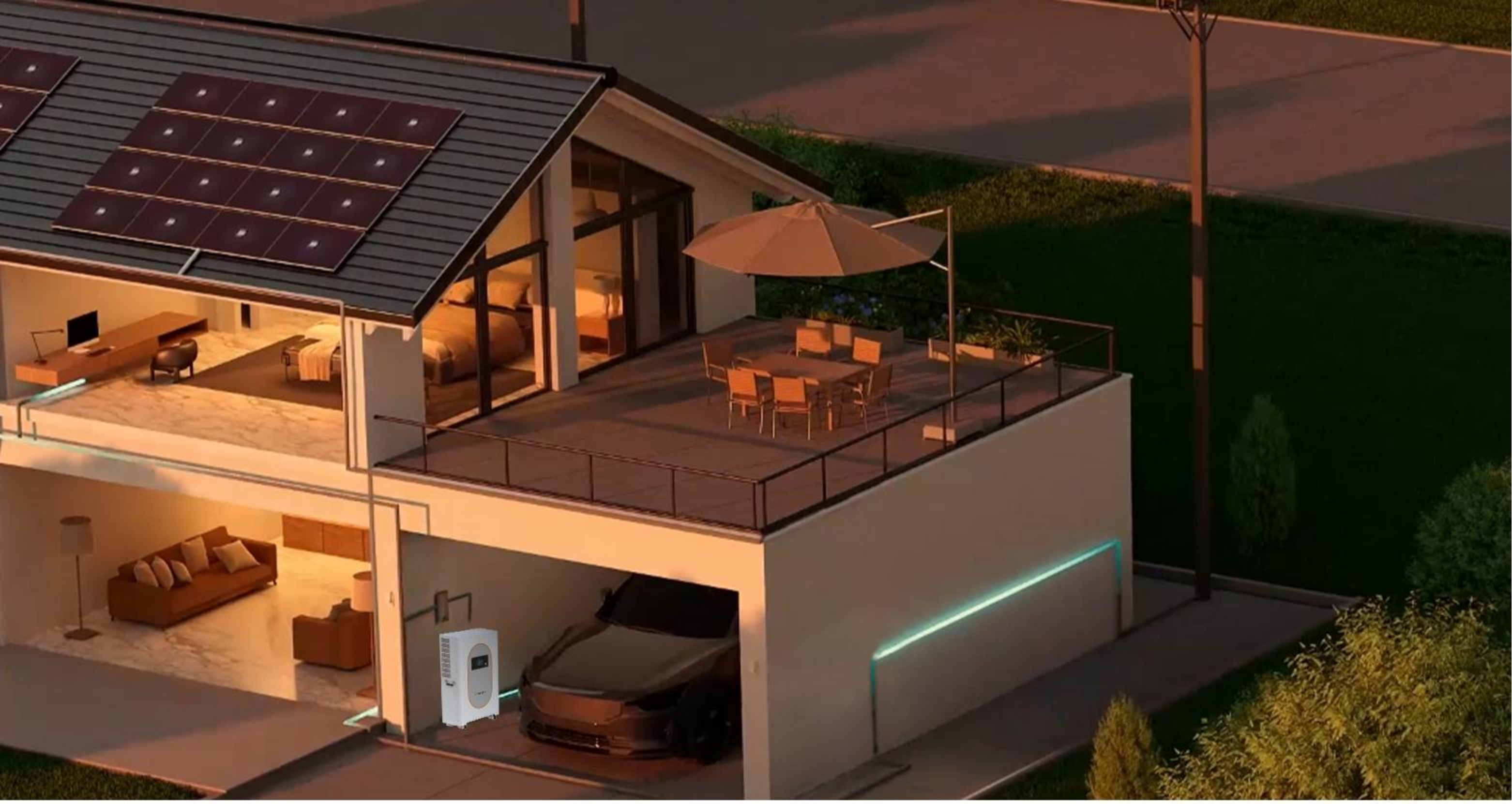
OUTDOOR



Indoor

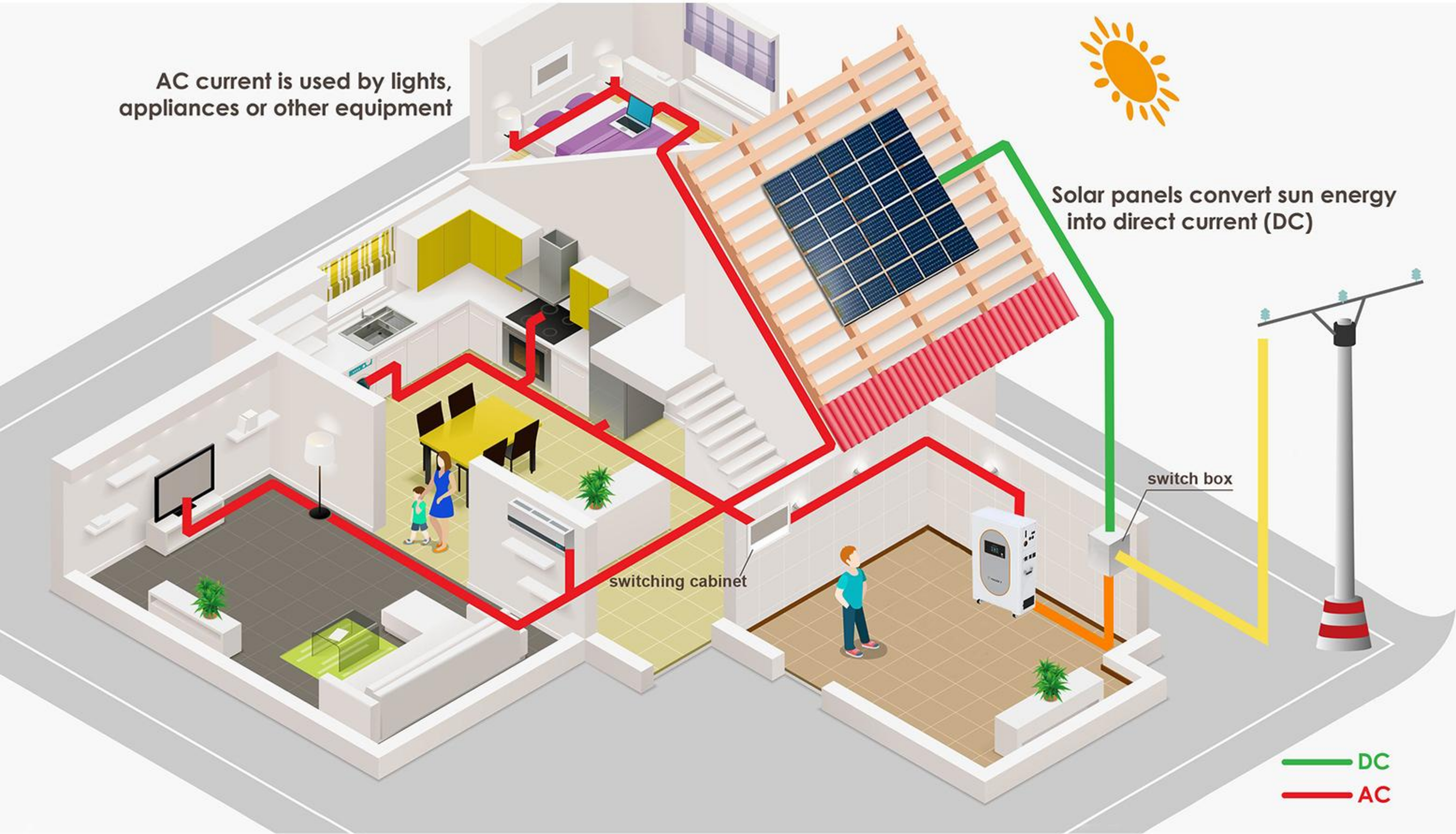
Home Energy Storage Solution





Outdoor Portable Power Station





The 15kWh 12kW all-in-one charges electricity from solar panels or other energy sources to provide economical electricity to your home or business during the night, or as a backup power source.

WiFi Monitoring



Smart BMS System



Short-Circuit
Protection



Over-Charging
Protection



Over-Discharging
Protection



Automatic
Insulation Detection



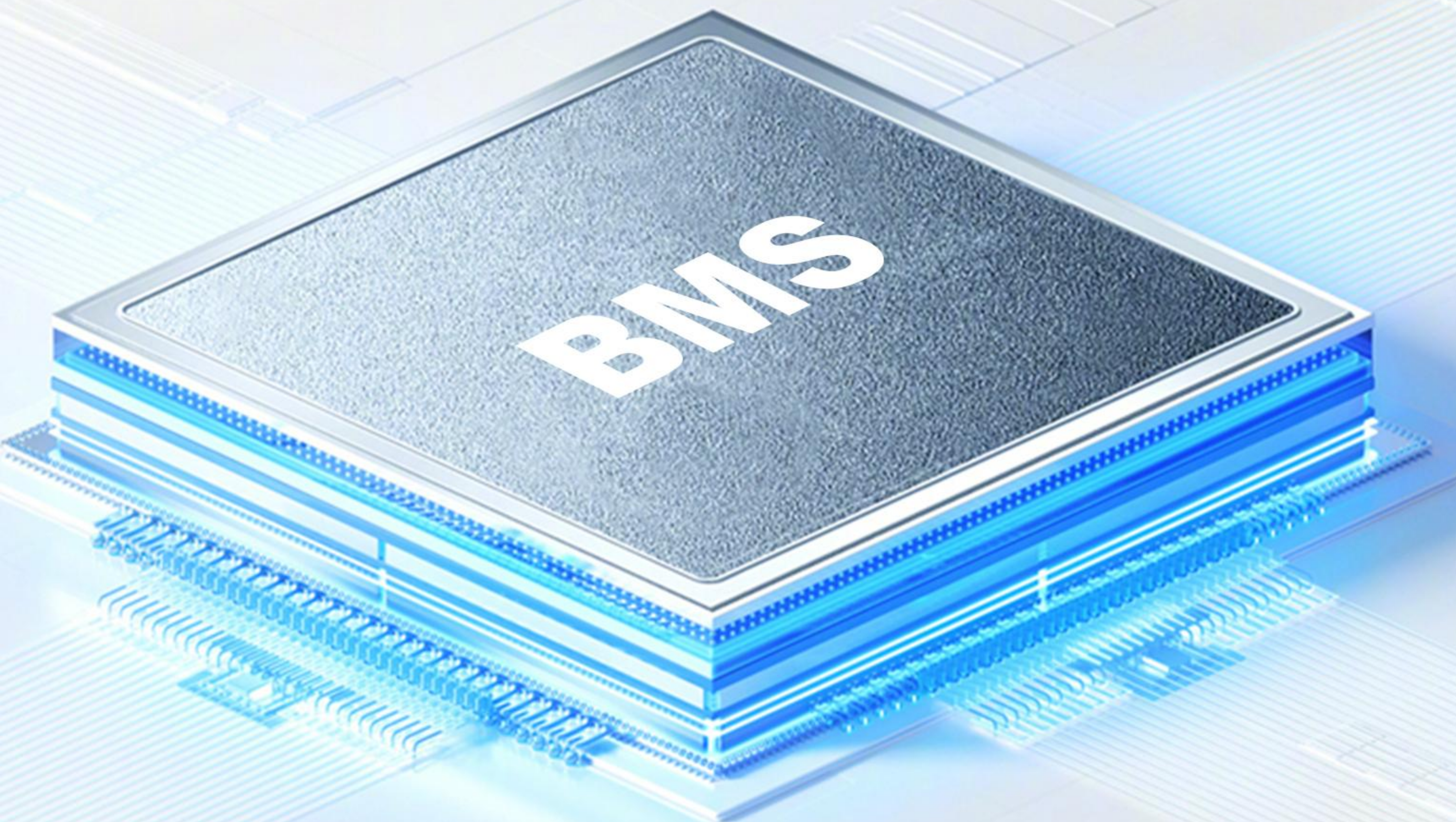
Low Temperature
Protection



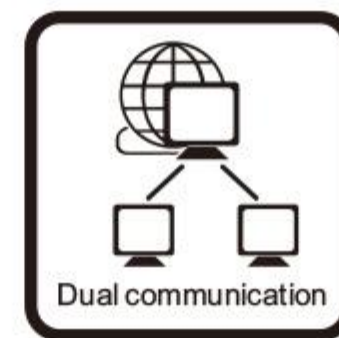
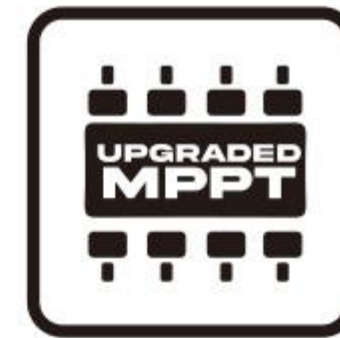
Pre-Charging
Circuit



Low No-Load
Energy Consumption



Off Grid Solar Inverter

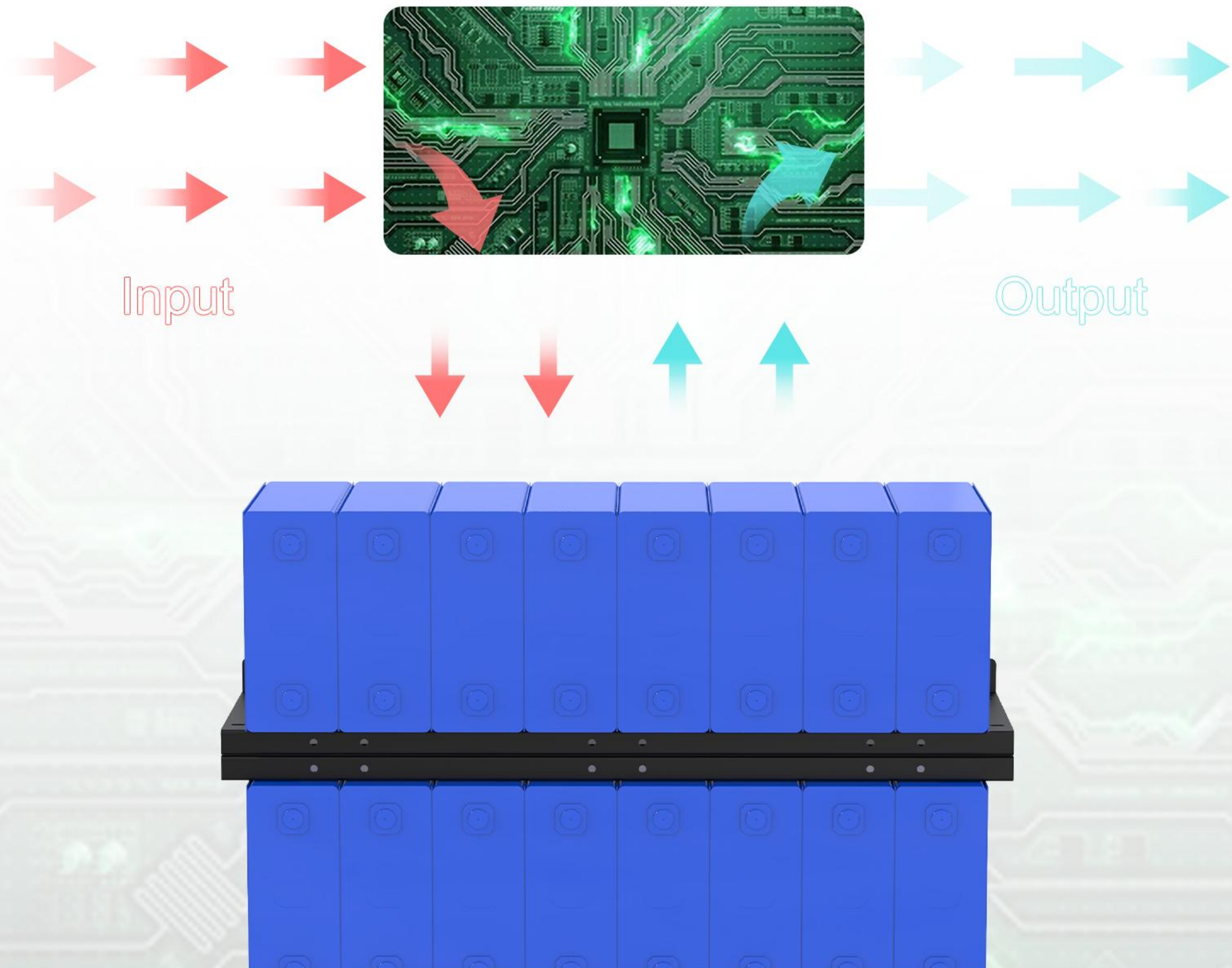


Features:

- Pure sine wave solar inverter
- Output power factor 1.0
- WIFI&GPRS available for IOS and Android
- Inverter can run without battery
- Built-in Lithium Battery automatic activation
- Built-in 160A MPPT solar charger
- Dual communication ports for battery communication and wifi communication
- High PV input voltage range
- Built-in anti-dust kit for harsh environment
- Smart battery charge design to optimize battery life
- Dual output
- Dual PV input
- Touch button
- Off grid work mode

High-Power Charging Without an Adapter

High-Efficiency Low Cost



Certificate Display

Focus on energy storage for 8+ years

