

# REVO HMT series

## Hybrid Solar Inverter

### 4/6kw

SOROTEC  
Power Solutions Expert



#### On-Grid and Off-Grid

Revo HMT series is suitable for on-grid and off-grid applications.



#### Easy access

Accessible through a LCD touch screen and through the web.  
Two outputs for smart load management



#### Remote Monitoring

Control and monitor your Smart System on the move via our Monitoring App and Portal



#### BMS

BMS Communication for lithium battery



#### Safe

Built-in anti-dusk kit for harsh environment  
AC overcurrent, AC overvoltage, Over-heat protection



#### Flexible Rate Tariff

Charge from the grid at off-peak times where energy is cheaper, and discharge at peak times where energy is more expensive.

## Product characteristics

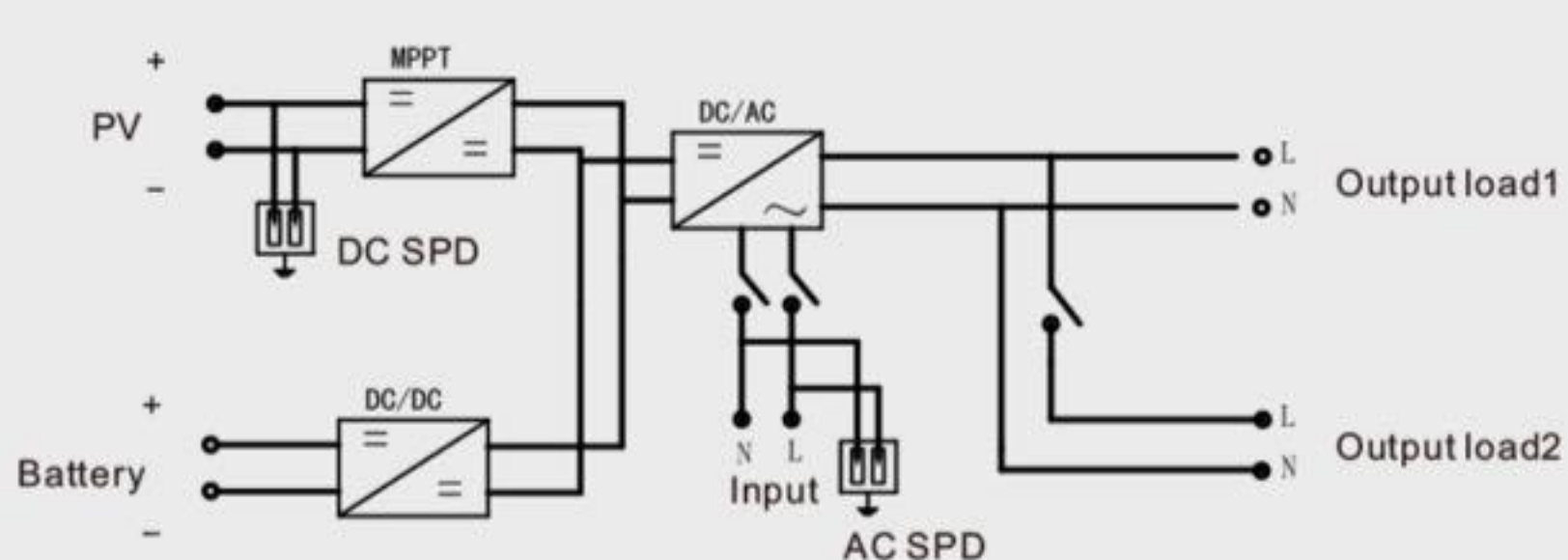


- A: AC OUTPUT
- B: COM
- C: PV INPUT
- D: ON/OFF
- E: INPUT BREAKER
- F: AC INPUT
- G: PARALLEL CONNECTION
- H: Battery

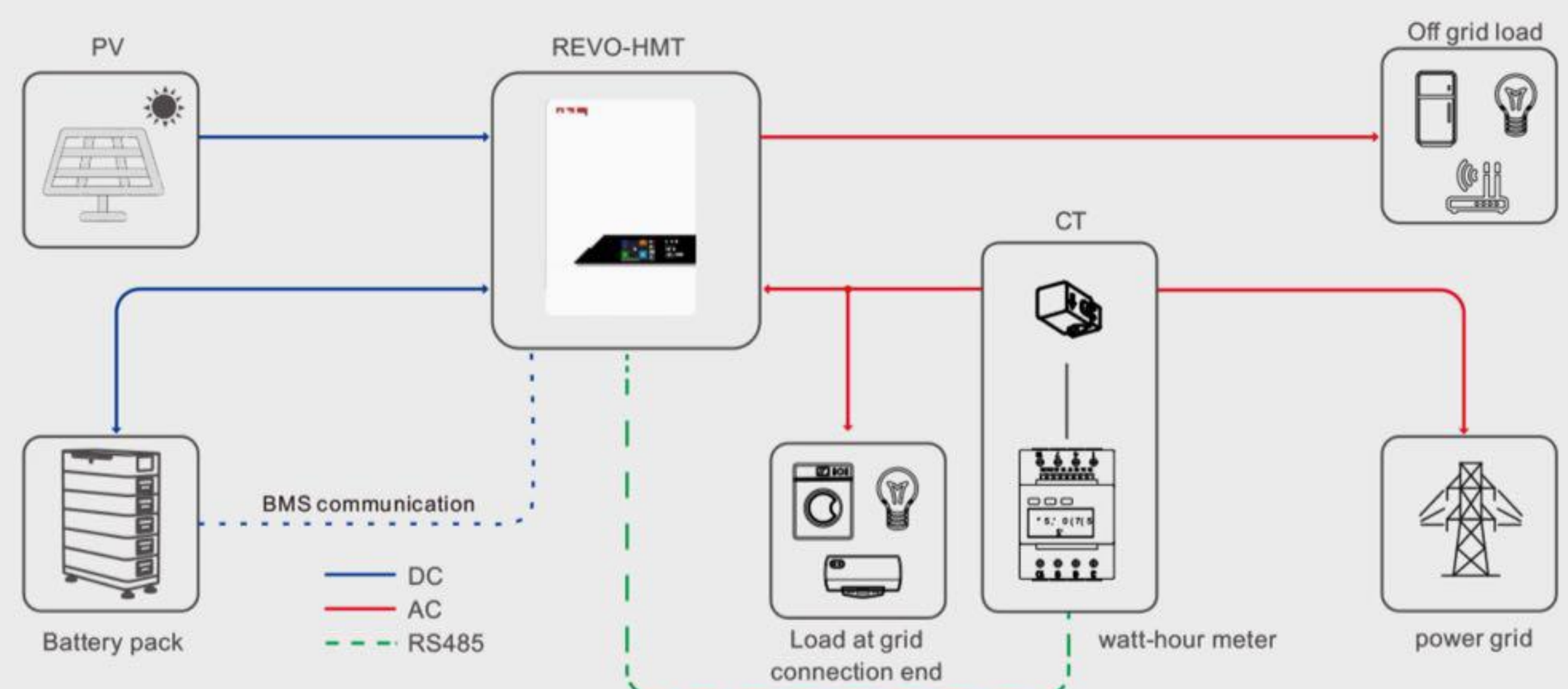


LCD touch screen

## Circuit block diagram

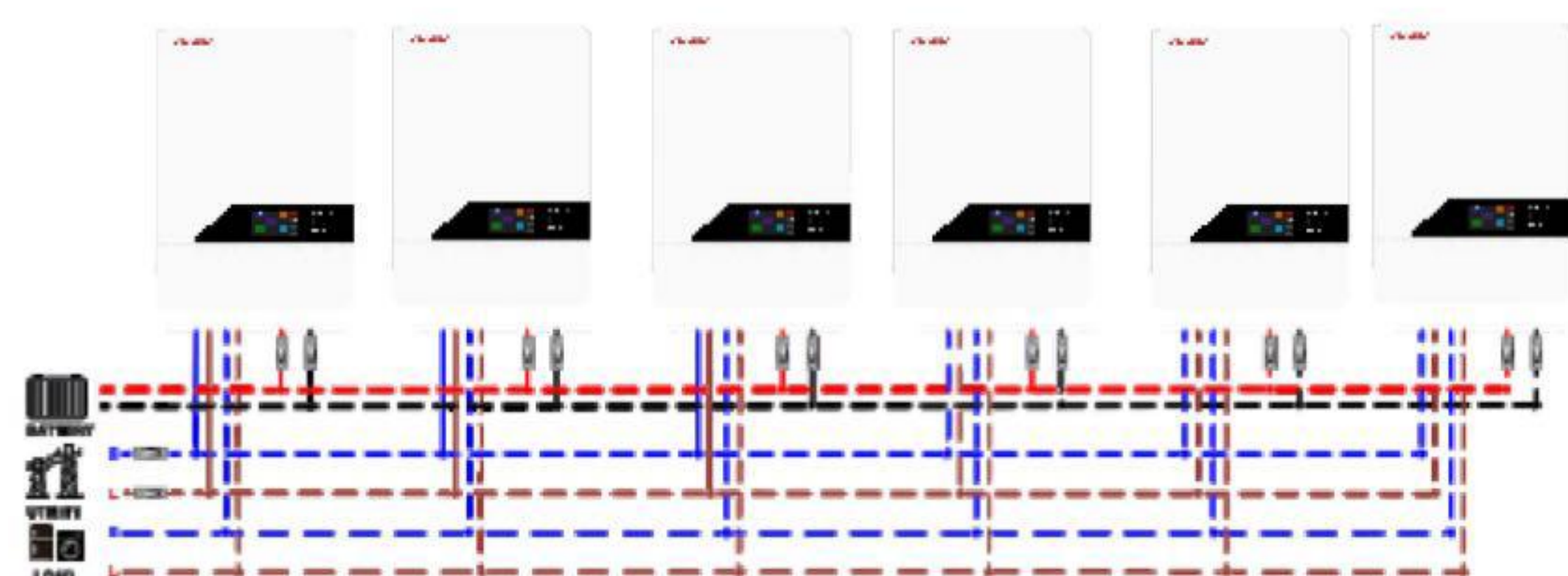


## Product application diagram

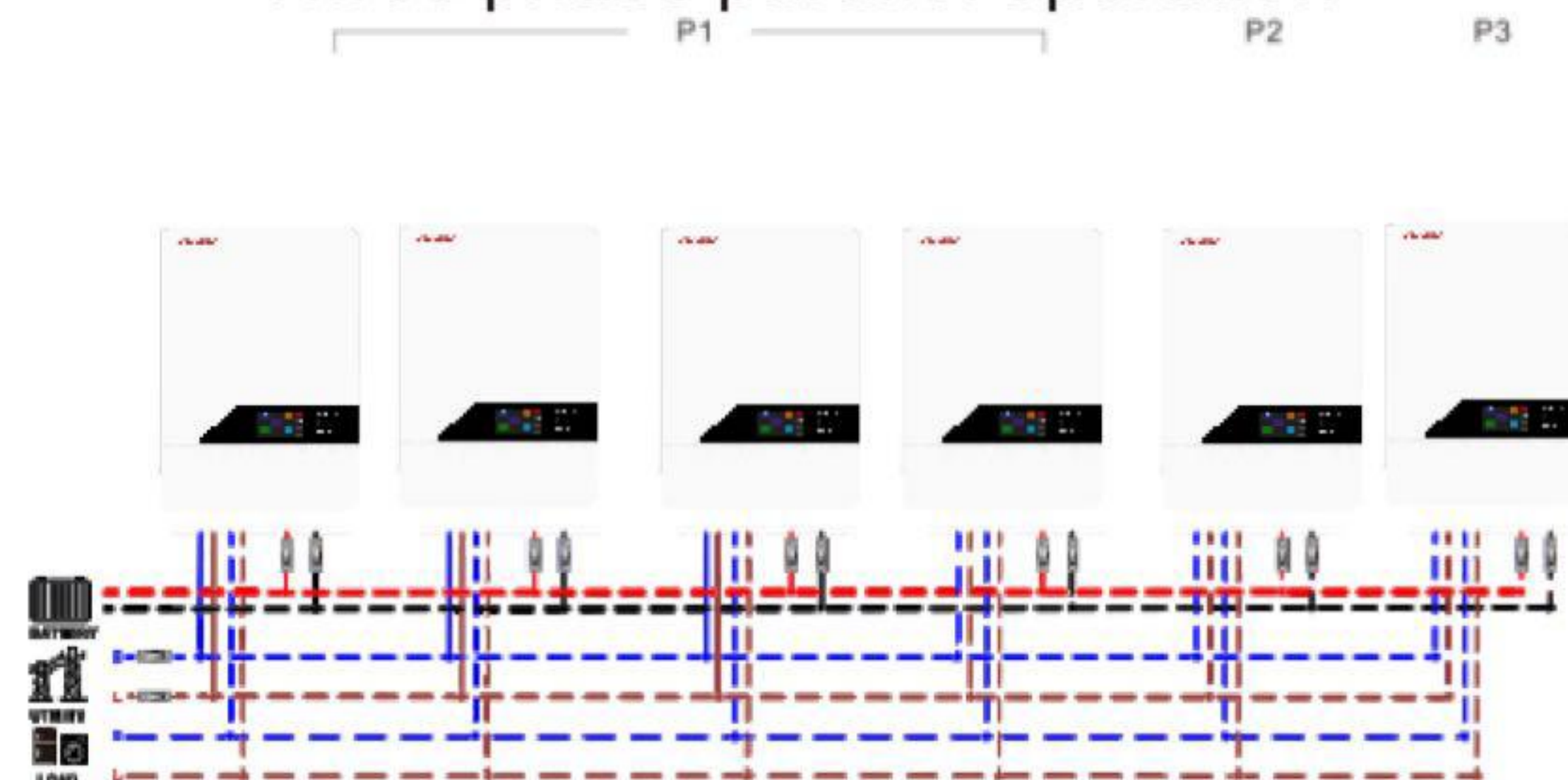




■ Single phase parallel operation



■ Three phase parallel operation



Technical Specification	REVO HMT series	
Rated power	4000VA/4000W	6000VA/6000W
<b>AC Input</b>		
AC voltage	230VAC	
Voltage Range	170-280VAC(For Personal Computers);90-280VAC (For Home Appliances)	
Frequency Range	50Hz/60Hz(Auto sensing)	
<b>AC Output</b>		
Surge power	8000VA	12000VA
Voltage regulation(Batt Mode)	230VAC±5%	
Rated frequency	50/60Hz	
Efficiency(Peak)	up to 93.5%	
Automatic switching time	10ms (For Personal Computers);20ms (For Home Appliances);	
<b>SOLAR CHARGER &amp; AC CHARGER</b>		
Maximum PV Array Open voltage(V)	500VDC	
Maximum PV Array power	5000W	6000W
MPPT voltage range(V)	60~450VDC	
Maximum input current	27A	
MPPT tracker/strings	1	
Maximum solar charge current	80A	120A
Maximum AC charge current	60A	100A
Maximum charge current	80A	120A
<b>Battery</b>		
Battery voltage	48VDC	
Floating Charge voltage	54VDC	
Overcharge Protection	63VDC	
Battery type	lithium /Lead-acid	
<b>Protection&amp; Feature</b>		
AC overcurrent,	Yes	
AC overvoltage	Yes	
Over-heat protection	Yes	
Smart load management	Yes	
On Grid	Yes	
Parallel Function	Yes,6 units	
<b>General Parameter</b>		
Operation temperature	0°C ~ 50°C	
Relative humidity	0 ~95% (non-condensing)	
Altitude 2,000m	(>2,000 Derating)	
Dimensions D x W x H (mm)	315*140*525	
Weight (kg)	9	10.5
<b>Display and communication</b>		
Display	Touch +LCD	
Interface	Standard:RS485,CAN ; Opt: Wifi ,Bluetooth	
Safety standard	EN/IEC 62109-1,EN/IEC 62109-2	