

INVS HES Series

5.6KW



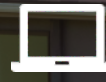
IP65 Rated

Engineered to last with maximum flexibility. Suitable for outdoor installation



On-Grid and Off-Grid

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



Easy access

Accessible through a LCD touch screen and through the web.



Remote Monitoring

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



BMS

BMS Communication for lithium battery



Safe

Physical and electrical dual isolation, Earth Leakage Current Monitoring, Island protection, insulation detection and so on



5 Years Warranty

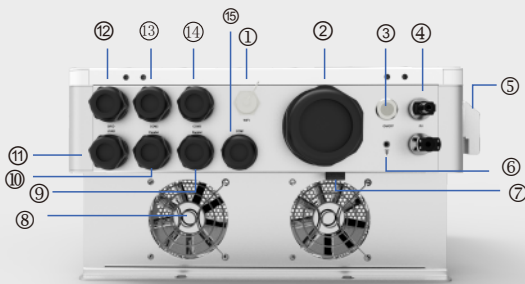
Supplied with a full manufacturers warranty



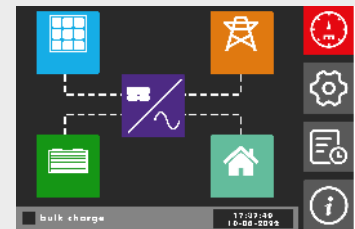
Flexible Rate Tariff

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

Product characteristics

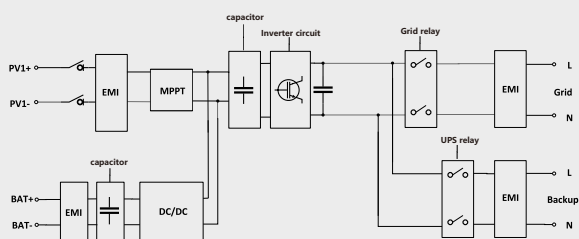


- ① WIFI port
- ② Battery port
- ③ Switch
- ④ PV port
- ⑤ PV switch
- ⑥ Ground
- ⑦ Breather valve
- ⑧ Fan
- ⑨ Parallel port
- ⑩ Parallel port
- ⑪ Load output
- ⑫ AC input
- ⑬ communication port
- ⑭ communication port
- ⑮ communication port

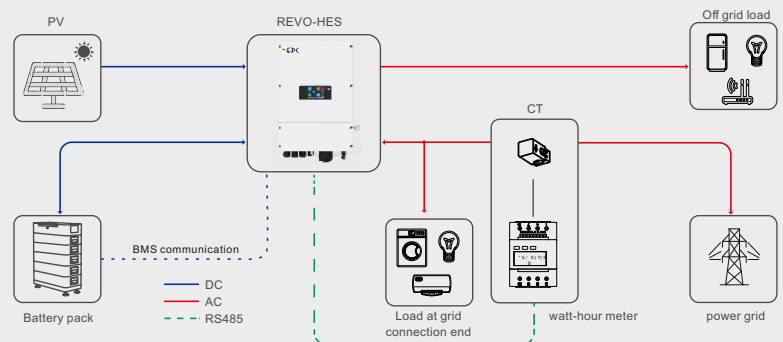


LCD touch screen

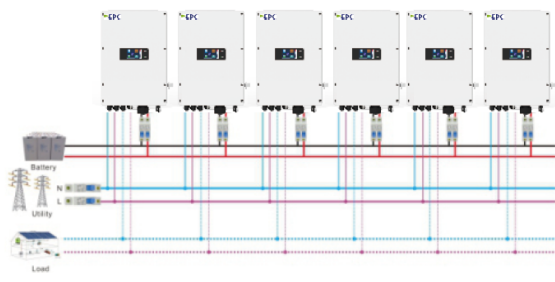
Circuit block diagram



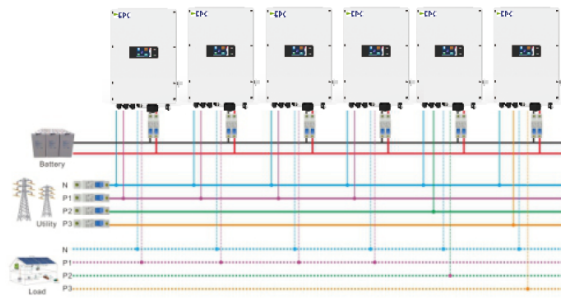
Product application diagram



■ Single phase parallel operation



■ Three phase parallel operation



Technical Specification	INVS HES SERIES
Input(PV)	
Max. power(kW)	6
Max. DC voltage(V)	500
MPPT voltage range(V)	60~450
Max.input current of single MPPT(A)	27
AC output	
Rated output power(kw)	5.6
Max. output current(A)	27
Grid voltage/range(V)	230/176~270
Frequency (Hz)	50 /60
PF	0.8lagging-0.8leading
THDi	<3%
AC output topology	L+N+PE
Battery	
Battery voltage range(V)	40~58
Max. charging voltage(V)	58
Max. charge/discharge current(A)	100/110
Battery type	lithium /Lead-acid
UPS output	
Rated power (kw)	5.6
Rated output voltage(V)	230
Rated output current(A)	27
Rated frequency (Hz)	50/60
Automatic switching time (ms)	<10
THDu	<2%
Overload capacity	110%, 30S/120%, 10S/150%, 0.02S
Protection& Feature	
Anti-Islanding protection	Yes
DC reverse polarity protection	Yes
Insulation monitoring	Yes
Residual current monitoring	Yes
Arc fault protection	Yes (Optional)
Battery reverse polarity protection	Yes
Parallel Function	Yes, 6 units
Other protection	AC overcurrent,AC overvoltage,Over-heat protection
General Parameter	
Efficiency(Peak)	94%
Degree of protection	IP65
Operation temperature	- 25°C ~ 60°C
Cooling	Natural
Relative humidity	0 ~95% (non-condensing)
Altitude 2,000m	(>2,000 Derating)
Dimensions W * D * H (mm)	192X360X665
Weight (kg)	22.5
Isolation transformer	No
Self-consumption(W)	<5
Display and communication	
Display	Touch LCD
Interface	Standard:RS485,Wifi ,CAN, Opt:Lan,4G,Bluetooth
Safety standard	EN/IEC 62109-1,EN/IEC 62109-2