

Hybrid Inverter



KSI 10.6_48 HYB 1P

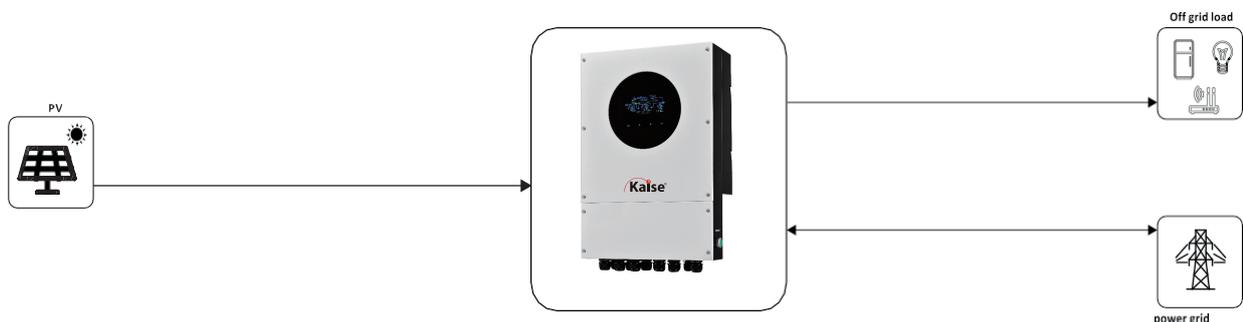
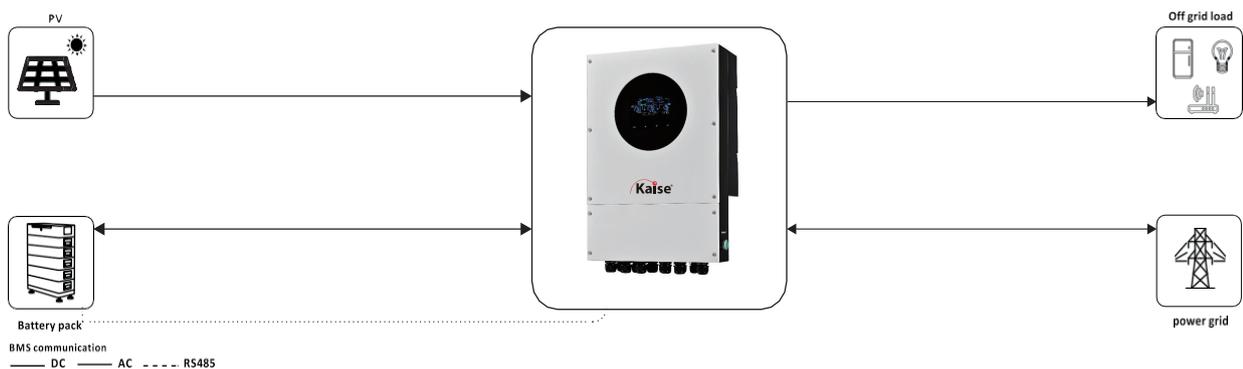
Features

- IP65 certified enclosure
- Built-in 2 MPP trackers
- Maximum PV input current increases to 21A/27A
- Dual output for smart load control
- Two independent AC power sources connected and switched automatically
- Programmable supply priority for PV, Battery or Grid
- Built-in communication port for BMS (RS485)
- User-adjustable charging current and voltage
- Parallel operation up to 9 units
- Support storing energy from diesel generator



*Illustrative image

Product application diagram



Product Model	KSI 10.6_48 HYB 1P
MAXIMUM PV INPUT POWER	18000W
RATED OUTPUT POWER	10600VA/10600W
MAXIMUM CHARGING POWER	8000W
PV INPUT(DC)	
Maximum DC Voltage	500Vdc
MPP Voltage Range	120Vdc~450Vdc
Number of MPP Trackers / Maximum Input Current	2 / 27A
AC INPUT	
AC Start-up Voltage / Auto Restart Voltage	60 - 80 VAC / 180 VAC
Acceptable Input Voltage Range	90 - 280 VAC or 170 - 280 VAC
Frequency Range	50 Hz/60 Hz (Auto sensing)
Maximum AC Input Current	60 A
Grid Output (AC)	
Nominal Output Voltage	220/230/240 VAC
Output Voltage Range	184 - 264.5 VAC or 195.5 - 253 VAC or 182 - 260 VAC (Selectable)
Nominal Output Current	28.7A
Power Factor	> 0.99
Maximum Conversion Efficiency(DC/AC)	96%
BATTERY MODE OUTPUT(AC)	
Nominal Output Voltage	220/230/240 VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	93%
BATTERY & CHARGER	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40-60 Vdc
Nominal DC Voltage	48Vdc
Maximum Solar Charging Current	190A
Maximum AC Charging Current	190A
Maximum Charging Current	190A
General Parameters	
Dimension, D*W*H(mm)	192 x 418 x 633
Net Weight (kgs)	33
Parallel Function	YES,9 Units
Communication Port	RS -232/RS 485,WIFI
Humidity	0~100% RH(No condensing)
Operating Temperature	-10°C to 50°C
Protection grade	IP65
Safety/EMC Standard	IEC/EN 62109-1,IEC/EN 62109-2,IEC/EN61000-6-2/4,EC61683,EC62116,EC6172

