

Hybrid Inverter



KSI 12.0_40-60 HYB 3P

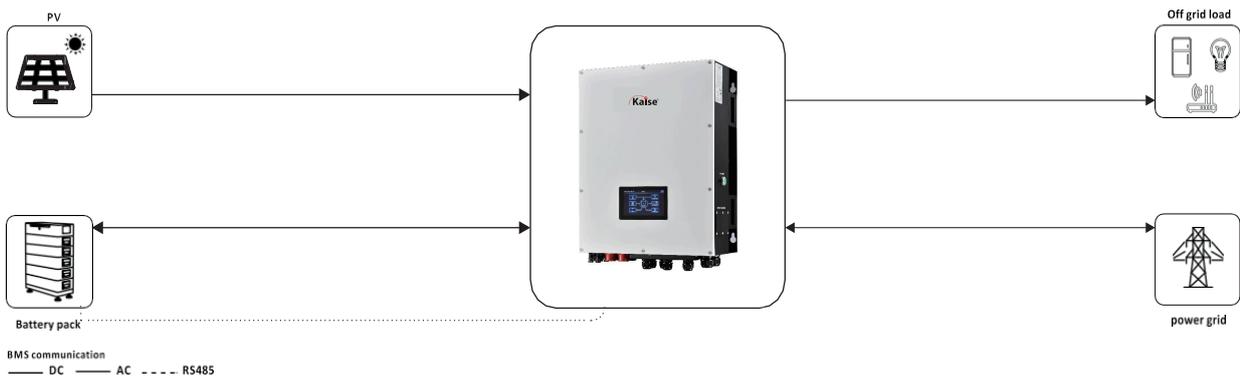
Features

- User-friendly HMI design and easy configuration.
- Dual output for smart load control.
- Two independent AC power sources connected and switched automatically.
- Built-in Wifi for mobile monitoring (App is available).
- 150% unbalanced load support.
- User-adjustable charging current and voltage.
- Reserved communication port for BMS (RS485).
- Parallel operation up to 6 units.



*Illustrative image

Product application diagram



Product Model	KSI 8.0_40-60 HYB 3P	KSI 10.0_40-60 HYB 3P	KSI 12.0_40-60 HYB 3P
Rated output power	8KW	10KW	12KW
Input(PV)			
Max. Power	12KW	15KW	18KW
Nominal DC Voltage / Maximum DC Voltage	720Vdc/900Vdc		
MPPT voltage range(V)	150-850Vdc		
Full MPPT Voltage Range	400-850Vdc	420-850Vdc	400-850Vdc
Number of MPP Trackers / Maximum Input Current	2/A: 15A,B: 15A	2/A: 18A,B: 18A	2/A: 18A,B: 18A
AC output			
Max.output current(A)	20	21.7	26
Grid voltage/range(V)	230 VAC (P-N)/400 VAC (P-P)/176-270		
Output Voltage Range	184-265 VAC* per phase		
Frequency(Hz)	50 /60		
PF	0.9lagging-0.9leading		
EFFICIENCY			
Maximum Conversion Efficiency (DC/AC)	>96%		
European Efficiency@ Vnominal	>95%		
BATTERY & CHARGER			
Maximum Charging Power	8KW	10KW	12KW
Battery voltage range(V)	40~60 Vdc		
Max. charge/discharge current(A)	160/200	200/220	240/250
Battery type	Lithium /Lead-acid		
UPS output			
Rated power	8KW	10KW	12KW
Rated output voltage(V)	230 VAC (P-N)/ 400 VAC (P-P)		
Rated frequency(Hz)	50/60		
Efficiency (DC to AC)	>93%		
General paramter			
Degree of protection	IP65		
Operation temperature	-25° C~ 60° C		
Cooling	Natural		
Relative humidity	0~95%(Non-condensing)		
Altitude	0-1000m		
Dimensions(W*D*H)(mm)	500*247*650		
Net Weight(kg)	50		54
Display and communication			
Display	LCD		
Interface	RS-232,RS-485, USB, CAN and Wi-Fi		
Intelligent Slot	Optional for SNMP and Modbus cards		
Safety standard	IEC 62116,IEC 62727,IEC 61683,IEC 62109,IEC 61000-6-2:2019,IEC 61000-6-4:2019,IEC 61000-3-11:2019.EN 61000-3-12:2011		
Grid Connection Standard	NRS097-2-1:2017,VDE-AR-N4105		

