

# Off Grid Inverter



KSI 3.2\_48 OFG 1P 1.6KW /3.2KW /4KW /6KW 230W

## Features



**MPPT**  
Pure sine wave MPPT solar inverter  
Built-in 80/120A MPPT solar charger



**Battery**  
Battery equalization function extend life cycle  
Reserved communication port (RS485, CAN) for BMS



**Off-grid**  
This series is suitable for off-grid applications.



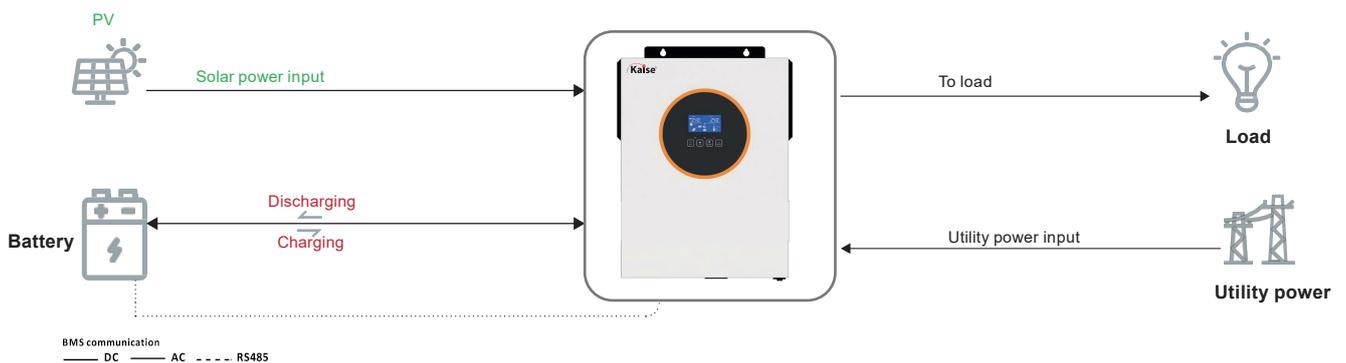
**Easy access**  
High PV input voltage range  
With touch buttons  
Two outputs for smart load management (4/6KW OPT)



\*Illustrative image

## Product application diagram

### ● With battery connected



### ● Without battery connected



Product Model	KSI 1.6_48 OFG 1P	KSI 3.2_48 OFG 1P	KSI 40_48 OFG 1P	KSI 60_48 OFG 1P
Rated power	1600VA/W	3200VA/W	4000VA/W	6000VA/W
<b>Input</b>				
Voltage	230VAC			
Selectable voltage range	170-280VAC(For personal computers); 90-280VAC(For home appliances)			
Frequency range	50Hz/60Hz (Auto sensing)			
<b>Output</b>				
AC voltage regulation(Batt.mode)	230VAC±5%			
Surge power	3200VA/W	6400VA/W	8000VA/W	12000VA/W
Efficiency (Peak)	93%			
Transfer time	10ms(For personal computers); 20ms(For home appliances)			
Waveform	Pure sine wave			
<b>Battery</b>				
Battery voltage	12VDC	24VDC	48VDC	
Floating charge voltage	13.5VDC	27VDC	54VDC	
Overcharge protection	16VDC	33VDC	63VDC	
<b>Solar charger &amp; AC charger</b>				
Solar charger type	MPPT			
Maximum PV array open circuit voltage	500VDC			
Maxlimum PV array power	2000W	3500W	5000W	7000W
MPPT range @operating voltage	30-450VDC		60-450VDC	
Maximum solar charge current	80A		120A	
Maximum AC charge current	60A		100A	
Maximum charge current	80A		120A	
<b>General Parameters</b>				
Weight(kg)	5	5.5	8.5	9
Size D * W * H(mm)	348*270*95		400*300*115	
Degree of protection	IP20			
Humidity	5% to 95% Relative humidity(Non-condensing)			
Operating temperature	-10°C to 50°C			
<b>Communication</b>				
Communication interface	Standard:RS232,USB; CAN&RS485; Optional: WiFi, Bluetooth			
Safety standard	EN/EC62109-1,EN/EC62109-2			

