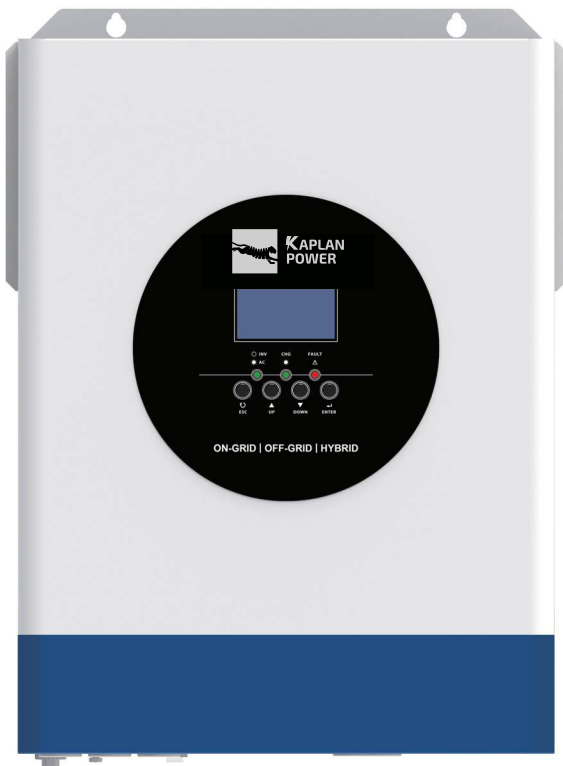


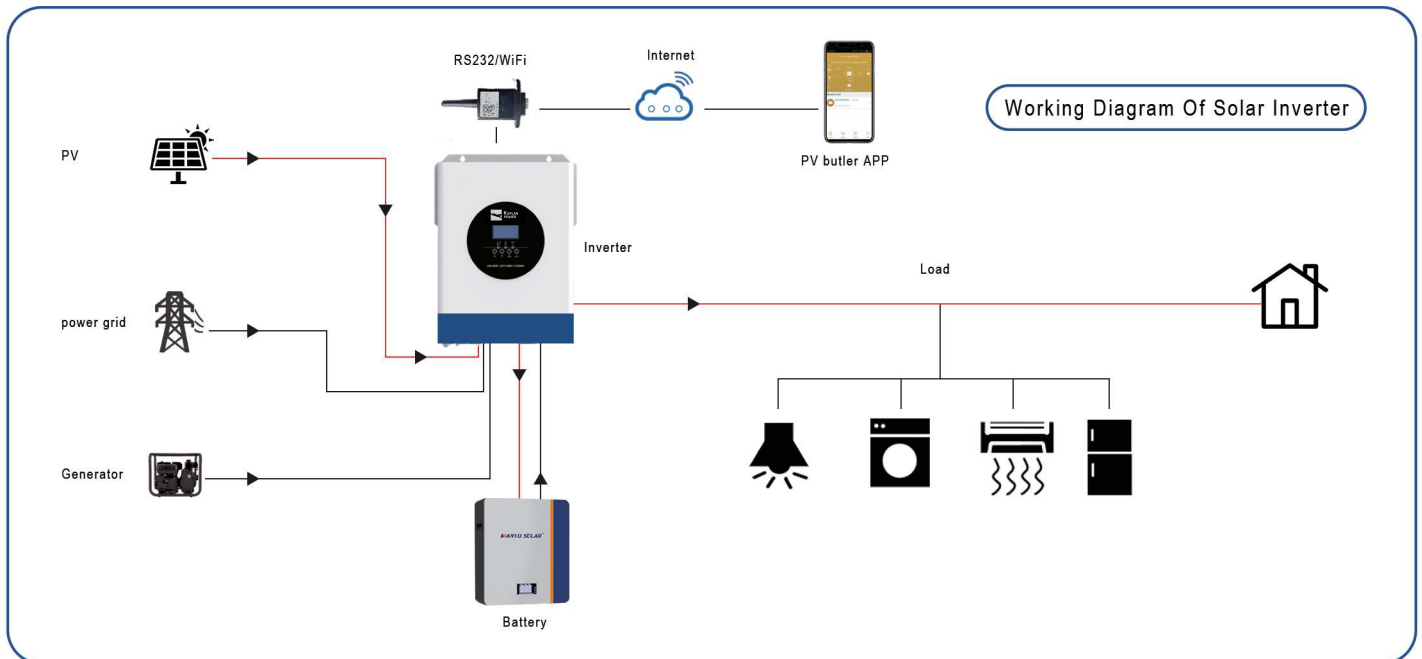
ON & OFF GRID SOLAR INVERTER

MY-INV III 5.5KW-48GPL

5.5KW 48VDC 12 UNITS PARALLEL

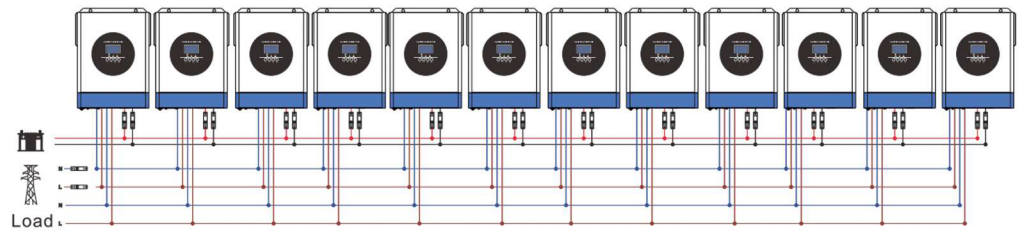


- Output power factor 1.0
- PV input voltage range 500Vdc Max
- Built-in MPPT solar controller 100A
- WiFi remote monitoring optional
- Reserved communication port for BMS
- Detachable dust cover for harsh environment
- Self-consumption and Feed-in to the grid
- User-adjustable charging current and voltage
- Support multiple output priority: SBU / SUB / SUF IZEC
- Parallel operation up to 12 units , support parallel in 1phase or 3phase
- Battery equalization function to optimize battery performance and extend lifecycle
- Programmable multiple operation modes : Grid-tie , off-grid and grid-tie with backup
- The external CT sensor will provide to detect power flowing back to the grid



Parallel connection

12 units Product Parallel Mode



Model	MY-INVIII 5.5KW-48GPL	
PHASE	1-Phase or 3-Phase	
MAXIMUM PV INPUT POWER	5500W	
RATED OUTPUT POWER	5500VA/5500W	
MAXIMUM CHARGING POWER	5500W	
GRID-TIE OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage / Initial Feeding Voltage	150VDC/120VDC	
MPPT Voltage Range	120VDC~450VDC	
Number of MPPT Trackers / Maximum Input Current	1/18A	
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range / Power Factor	170-280VAC or 90-280VAC / 0.6~1(inductive or capacitive)	
Nominal Output Current	22.7A	
Maximum Conversion Efficiency (DC/AC)	94%	
OFF-GRID OPERATION		
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	100Vac/90Vac	
Acceptable Input Voltage Range	170-280VAC or 90-280VAC	
Maximum AC Input Current	40A	
PV INPUT (DC)		
Maximum DC Voltage	500VDC	
MPPT Voltage Range	120VDC~450VDC	
Number of MPPT Trackers / Maximum Input Current	1/18A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	
Efficiency (DC to AC), Nominal Output Voltage	94%, Pure Sinewave	
HYBRID OPERATION		
PV INPUT (DC)		
Nominal DC Voltage / Maximum DC Voltage	360VDC/500VDC	
Start-up Voltage / Initial Feeding Voltage	150VDC/120VDC	
MPPT Voltage Range	120VDC~450VDC	
Number of MPPT Trackers / Maximum Input Current	1/18A	
GRID OUTPUT (AC)		
Nominal Output Voltage	220/230/240VAC	
Output Voltage Range	170-280VAC or 90-280VAC	
Nominal Output Current	22.7A	
AC INPUT		
AC Start-up Voltage / Auto Restart Voltage	100Vac/90Vac	
Acceptable Input Voltage Range	170-280VAC or 90-280VAC	
Maximum AC Input Current	40A	
BATTERY MODE OUTPUT (AC)		
Nominal Output Voltage	48VDC	
Efficiency (DC to AC)	94%	
BATTERY CHARGER		
Nominal DC Voltage	48VDC	
Maximum Solar Charging Current	100A	
Maximum AC Charging Current	60A	
Maximum Charging Current	100A	
GENERAL		
PHYSICAL		
Product Dimension/Carton Dimension	448*315*122mm/565*380*190mm	
Net Weight /Gross Weight(kgs)	11/12	
INTERFACE		
Parallel Function	1-Phase Parallel*12 / 3-Phase Parallel*12	
Communication Port	RS232/RS485/Dry Contact	
ENVIRONMENT		
Humidity	5%~95% Relative Humidity (Non-condensing)	
Operating Temperature	-10°C~55°C	