KEHUA TECH

Off-Grid Inverter

48V Series (Transformerless)

» **Motor load acceptable**
» **Modular & rack design**
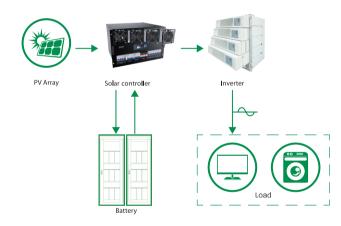» **Telecom standard level**

Easy for Use:

- Can start-up motor load like air condition
- Modular design, high flexibility and easy maintenance
- Rack type, easy installation and operation

Excellent Performance:

- Adopt telecommunication strict standard
- Modular design, flexible and easy maintenance
- Strong overload capacity

PV Array   Solar controller   Inverter

Battery

Load

High Reliability:

- System with perfect protection function
- N+1 modular redundant design, hot swappable
- Advanced IGBT with high reliability
- More than 16 years telecom application experience

Friendly Interface:

- DB9 dry contacts and RS232 communication
- Easy operation for ON/OFF switch
- LEDs real time show the system working status
- Elegant appearance design

Ecological Power Network

Technical Specification:

Model	1000	2000	3000	6000	9000	12000
DC Input Data						
Rated DC Input current (A)	17	34	50	100	150	200
Rated DC Voltage (VDC)	48					
DC Voltage Starting Range(VDC)	40~57					
AC Output Data						
Rated AC Output Power (VA/W)	1000/700	2000/1400	3000/2100	6000/4200	9000/6300	12000/8400
Rated Output Voltage (V)	220/230/240±1% (110/120/127 are available for customization)					
Rated Output Current (A)	4.5	9.0	13.6	37.3	40.9	54.5
Rated Output Frequency (Hz)	50±1%					
Harmonic Distortion	THD<3 (Linear Load)					
Power Factor	0.7					
Overload Capacity	105%~125% for 80s; 126%~150% for 1s					
Inverter Efficiency	83%		88%	87%		
Peak Factor	3:1					
Others						
Protection Level	IP20					
Operating Ambient Temperature	-20℃~ 40℃					
Operating Ambient Humidity	0~95%					
Reference Dimension (W x D x H) (mm)	440x286x1U	440x358x2U		445x335x445		
Reference Weight (kg)	5	9.5	13.5	32	41	49
Communication Port	RS232					

• Specifications are subject to change without prior notice.

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