

INVERTER WKE-HP

WKE 1000-1500-2000-3000-4000-5000



Pure sine wave inverter with built-in MPPT controller WKE HP-Series is a module design. It has the advantages of high conversion efficiency, low power consumption and strong load-carrying ability.

With intelligent control, users can set charging mode, (Utility as complementary power) AC first mode or DC first mode, timing inversion mode and timing utility mode, on/off mode. It is one of advanced hybrid inverter & controller in the world.

Features

- Easy to install. To configure a solar system, users just need to connect it with solar panels and batteries
- CPU management, intelligent control, modular design, LCD display
- Built-in MPPT controller, high charging efficiency
- Low power consumption, high conversion efficiency
- Intellectual multi-function, it's convenient for users to make full use of solar energy in different situation
- External battery connection, it's convenient for users to expand back-up power time
- Strong load-carrying ability, low failure rate, easy to maintenance and long service life
- Perfect protection: low voltage protection, high voltage protection, over temperature protection, short-circuit protection, overload protection
- CE / EMC / LVD/ RoHS Approvals



Functions

- Charging function: a) PV only mode; b) PV+AC hybrid mode
- Utility as complementary power UPS function
- Timing function: on/off mode; working mode;
- Recording / checking function: inverter fault checking; discharge time checking.

PARAMETERS

Model WKE	1000HP	1500HP	2000HP	3000HP	4000HP	5000HP
Power	1000W	1500W	2000W	3000W	4000W	5000W
Peak Power	2000W	3000W	4000W	6000W	8000W	10000W
Size W x D x H (mm)	438*208*413				450*246*468	
Packing Size W x D x H (mm)	520*310*460				540*300*518	
Net weight (kg)	15	17	19	25	34	35
Battery voltage (DC)	24V	24V / 48V (OPTIONAL)			48V	48V
Grass weight (kg)	16	18	20	27	40	41
Charging Parameter						
Charge Mode setting	PV charge					
	PV charge + utility charge					
MPPT Solar Voltage	24V	24V/48V				48V
Current	20A	25A	30A	40A	40A	40A
Max PV Input Voltage	100V					
PV Charge Efficiency	95%~99%					
Max PV Input Power	568W	24V: 710W	24V: 852W	24V:1136W	2272W	2272W
	48V:1420W 48V: 1704W 48V: 2272W					
Utility AC Charge Current	0~15A					
Charge Mode	3-Stage Charging					
Inversion parameter						
AC Output Voltage	220V±3% or 230V±3 or 240V±3% or 100V±3% or 110V±3% (optional)					
Frequency	50Hz±0.5 or 60Hz±0.5 (optional)					
Output wave type	Pure sine wave output, Total Harmonic Distortion THD≤3					
Overload ability	>120% 1 min, >130% 10s					
Power Consumption	0.4A	24V: 0.5A	24V: 0.7A	24V: 0.7A	0.6A	0.65A
(under normal working mode)		48V: 0.4A	48V: 0.45A	48V: 0.5A		
Power Consumption	(under sleep mode) 1-6W					
Inverter Conversion	Efficiency 85%~92%					
Utility Mode						
AC Input Voltage	220V±35% or 110V+35% optional					
AC Input Frequency	The same as utility's frequency					
AC Output Voltage	220V±5% or 110V+5% optional					
AC Output Frequency	The same as utility's frequency					
Overload Ability	>120% 1 min,>130% 10s					
(AC first or DC first) priority						
UPS Output setting	AC first, DC standby - DC first, AC standby					
Switch Time	<5ms (AC to DC / DC to AC)					
Power On (setting)	Set by users /Timed on / off AC output automatically					
Protection	Overload, short-circuit, high-voltage input, low-voltage input, overheat					
Environment	Temperature: -10°C~50°C - Humidity: 10%~90% - Altitude: ≤ 4000m					