



Pure Sine Wave Inverter with Charger

> KCT-1K – KCT-6K

Overview



Kenika Power Inverter Pure Sinewave KCT Series dengan trafo toroidal sudah dilengkapi smart battery charger yang memungkinkan pengguna untuk menggunakan jaringan listrik umum yang sudah terpasang untuk menjaga baterai tetap terisi.

Power Inverter ini cocok untuk backup darurat saat terjadi pemadaman listrik dengan transfer time 8ms, atau dapat digunakan juga sebagai sistem off-grid standalone. Mengurangi tagihan listrik dan membantu menyelamatkan bumi dengan inverter charger ini. Inverter ini dapat digunakan untuk campervan, rumah perahu, dll dengan suara yang tidak bising dan energi listrik yang efisien yang dihasilkan oleh sistem surya.

Technical Features



High frequency switching technology



Multiple protection technology



Green power technology



Battery management technology



Network monitoring technology



CPU + N control technology

Advantages

- AC charging current max 60A, to meet customer requirements for fast charging
- Adjustable AC charging voltage, to adapt to different types of batteries
- Adjustable AC charging current, to meet the different capacity of the battery

Working modes

Regular Mode : The system always keeps output. When there is electricity power, the AC charging function is always maintained. If no AC, battery will discharge in inverter mode, and it will not shut down until it reaches low battery voltage. Once the AC recovers, it will auto restart.

Technical Specifications

Model		KCT-1K12 / KCT-1K24	KCT-2K24	KCT-3K24	KCT-5K48	KCT-6K48
AC Input	Voltage Range	100/110/120/127/220/230VAC (+25%,-36%)	100/110/120/127/220/230VAC(±25%)			
	Frequency Range	50/60 Hz±2.5Hz				
Output	Rated Power	1000W	2000W	3000W	5000W	6000W
	Instantaneous Power	3000W	6000W	9000W	15000W	18000W
	Wave Form	Pure Sine Wave				
	Battery Efficiency	81%	83%	85%		
	AC Efficiency	93%				
	Output Voltage	100/110/120/127/220/230VAC (AC mode ±10%, Battery Mode ±5%)				
	Output Frequency	50Hz/60Hz ± 0.5Hz (AC Mode ± 2.5Hz)				
	Transfer time	4ms/8ms Optional				
	USB Output	DC 5V/1A × 1+5V/2A × 1 (Optional)				
Connector	Input/Output	Input & Output terminals				
	Battery	Terminals				
Battery	Voltage	V _{dc} 12V/24	24V/48V _{dc}	48V _{dc}		
	Charging Current	1-20A Adjustable	3-60A Adjustable			
LCD	Method	LCD+LED				
	Content	Input/Output Voltage, Battery Voltage, Battery Capacity, Load Capacity, Working mode, Frequency				
Protection	Battery Reversal	Optional				
	Output Short Circuit	AC mode: Jump fuse, Inverter mode: Shut down				
	Overload	If Overload 105%, Inverter will alarm.If Overload 130%, Inverter will shut down in 10s. Once the inverter is off, It must be turned on manually				
	High AC Voltage	Turn off AC, Turn to Inverter mode automatically				
	Low DC Voltage	Inverter shut down automatically, Once the AC recover, Inverter turn on and charge automatically				
	Over Temperature	Inverter will alarm and turn off output but it will recover to normal state after cooling down				
Environment	Humidity	15 ~ 93% (No condensation)				
	Temperature	-10℃ ~ 50℃				
	Altitude	≤3000m				
	Dimension: D × W × H(mm)	455 x 235 x 155mm	550 x 295 x 205mm			
	Dimension:D × W × H(mm)	550 x 295 x 200mm	620 x 380 x 280mm			
Weight	N.W.(KGS/PC)	14.0	19.2	25.8	39.0	43.4
	G.W.(KGS/PC)	15.5	20.7	27.3	41.2	45.6