




NKH High Frequency MPPT Hybrid Solar Inverter

(3.5KVA, 5.5KVA, 10KVA, 12KVA)

MAIN FEATURES

-  Overload/ Over temperature/short circuit protection
-  Configurable battery charging current based on applications via LCD setting
-  Smart battery charger design for optimized battery performance



Product Specifications

Model:NKH-		NKH-3.5KVA	NKH-5.5KVA	NKH-10KVA	NKH-12KVA
Rated Power		3KW	5KW	8KW	10KW
Input	Voltage	208VAC/220VAC/230VAC/240VAC			
	Selectable Voltage Range	170-280VAC(For Personal Computers) 90-280VAC(For Home Appliances)			
	Frequency Range	50Hz/60Hz(Auto sensing)			
	AC Voltage Regulation (Batt .Mode)	208VAC/220VAC/230VAC/240VAC ±5%			
Output	Surge Power	6KW	10KW	16KW	20KW
	Efficiency (Peak)PV to INV	97%			
	Efficiency (Peak)Battery to INV	94%			
	Transfer Time	10 ms			
Battery & AC Charge	Overlord Capacity	1min@102%-110% Load, 10s@110%-130% Load, 3s@130%-150% Load 02s@150% Load			
	Battery Voltage	24VDC		48VDC	
	Floating Charge Voltage	27VDC		54VDC	
	Overcharge Protection	32VDC		64VDC	
PV Charge	Maximum Charge Current	60A	80A		160A
	Maximum PV Array Power	1500W	5500W		11000W
	MPPT Range Operating Voltage	30-115VDC		120-430VDC	
	Maximum PV Array Open Circuit Voltage	145VDC		450VDC	
AC+PV Charge	Maximum Charge Current	60A	80A		160A
	Maximum Efficiency	99%			
Physical	Maximum Charge Current	120A	80A		160A
	Dimension D*W*H(mm)	439*320*128			640*490*152
	Net Weight(kg)	8	9.2		20
Opera Ting Environment	Communication interface	USB/RS232/GPRS/WIFI			
	Humidity	5% to 95% Relative Humidity(Non-condensing)			
	Operating Temperature	0°C-55°C			
	Storage Temperature	-15°C-60°C			

Note: Our company has the right of changing this user manual without any information