

# Hybrid Inverter

High Voltage  
Three-phase Series



## Flexible

Lightweight and compact easy to install  
IP65 protection grade, wall-mounted to save space  
Seamless transition to backup mode for protection against power outages



## Reliable

Built-in EMS to optimize battery management  
Provides 100 % unbalanced loads in backup mode  
With battery reverse polarity protection and anti-backflow function



## Advanced

Remote software updates and customizable settings  
Touch flexible commissioning with smartphone  
Free online monitoring to enhance energy management for end users, installer and retailer

# Data Sheet

Modle No.	iINV-HB3-8.0KH	iINV-HB3-10.0KH	iINV-HB3-12.0KH
<b>PV Input</b>			
Max.Input power	16kW	20kW	24kW
Max.PV voltage		1000V	
MPPT range/ nominal		180V-850V	
Max.input current		13A/13A	
MPPT tracker/strings		2/1	
<b>AC output</b>			
Max. output power	8.8kVA	11kVA	13.2kVA
Max. output current	12.7A	15.9A	19.1A
Nominal voltage/ range		400V/ 360V~440V	
Frequency		50/60Hz	
Power factor		1(0.99lagging-0.99leading)	
THDI		<3%	
AC output topology		3W+N+PE	
<b>Battery</b>			
Battery voltage range		125V~600V	
Max.charging voltage		600V	
Charge/ discharge current	50.0A	50.0A	50.0A
Charge/ discharge power	8.8kW	11kW	13.2kW
Battery type		Lithium/ Lead-acid	
Communication interface		CAN	
<b>EPS output</b>			
Max. output power	8.8kVA	11kVA	13.2kVA
Rated voltage/ frequency		400Vac/ 50Hz/ 60Hz	
Max. output current	12.7A	15.9A	19.1A
Rated frequency		50/ 60Hz	
Automatic switchover time		<10ms	
THDU		<2%	
<b>General data</b>			
Battery charge/ discharge	96.6%	96.7%	96.8%
DC max. efficiency	97.9%	98.2%	98.2%
Euro efficiency	97.2%	97.5%	97.5%
MPPT efficiency	99.5%	99.5%	99.5%
Protection class		IP65	
Noise emission (typical)		<35dB	
Operation temperature		- 25°C~ +60°C	
Cooling		Natural	
Relative humidity		0~95% (non-condensing)	
Altitude		2000m	
Dimensions (LxWxH)		530x200x600mm/21x8x23inch	
Weight		29kg	
Inverter topology		Without transformer	
Self-loss		<3W	
<b>Features</b>			
Display		LCD	
Interface:RS485/CAN/DRM/WIFI		yes /yes/yes/opt	
<b>Certificates</b>			
Certificates	CE, RoHS, EN50549, VDE, G99, RfG, NC RFG, PTPiREE, PPDS, NRS		

Contact us:

Shanghai Hoenergy Power Technology Co.,Ltd

Tel: +86 152 2195 1952

Email: info@hoenergy.com.cn

Website: www.hoenergypower.com

