

Hybrid Inverter

High Voltage
Three-phase Series



Flexible

125V-600V wide input voltage range
Lightweight and compact easy to install
IP65 protection grade, wall-mounted to save space



Reliable

Provides 100 % unbalanced loads in backup mode
High self-consumption with optimized built-in EMS
Seamless transition to backup mode for protection against power outages



Advanced

Touch flexible commissioning with smartphone
Remote firmware updates and customizable settings
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
PV Input			
Max.Input power	10.4kW	13kW	15.6kW
Max.PV voltage		1000V	
MPPT range/ nominal		125V-850V	
Max.input current		12.5A*2	
MPPT tracker/strings		2/1	
AC output			
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	
Battery			
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	
EPS output			
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		<20ms	
THDU		<2%	
General data			
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	
Features			
Display		LCD	
Interface:rs485/can/drm/wifi/gprs		yes /yes/yes/opt/opt	
Certificates			
Certificates		CE/TUV	