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RESIDENTIAL

Hybrid Inverter

PRODUCT FEATURE



Hybrid Inverter+Backup Function



High Efficiency



Multi-unit Parallel



Wide Range of Power



Strong Battery Voltage Compatibility



VPP Interface Ready

inventronics

SiC Series



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Three Phase Hybrid Inverter



Higher Reliability

IP65 Outdoor&Indoor use
SiC technology, Longer lifespan
Plug-in design, Easy to install



High Capability

15 units in parallel
2 independent ports for battery
Support mixture use of old & new battery



Smart Monitoring

Auto sleep
VPP interface ready
Cloud + Smart data analysis

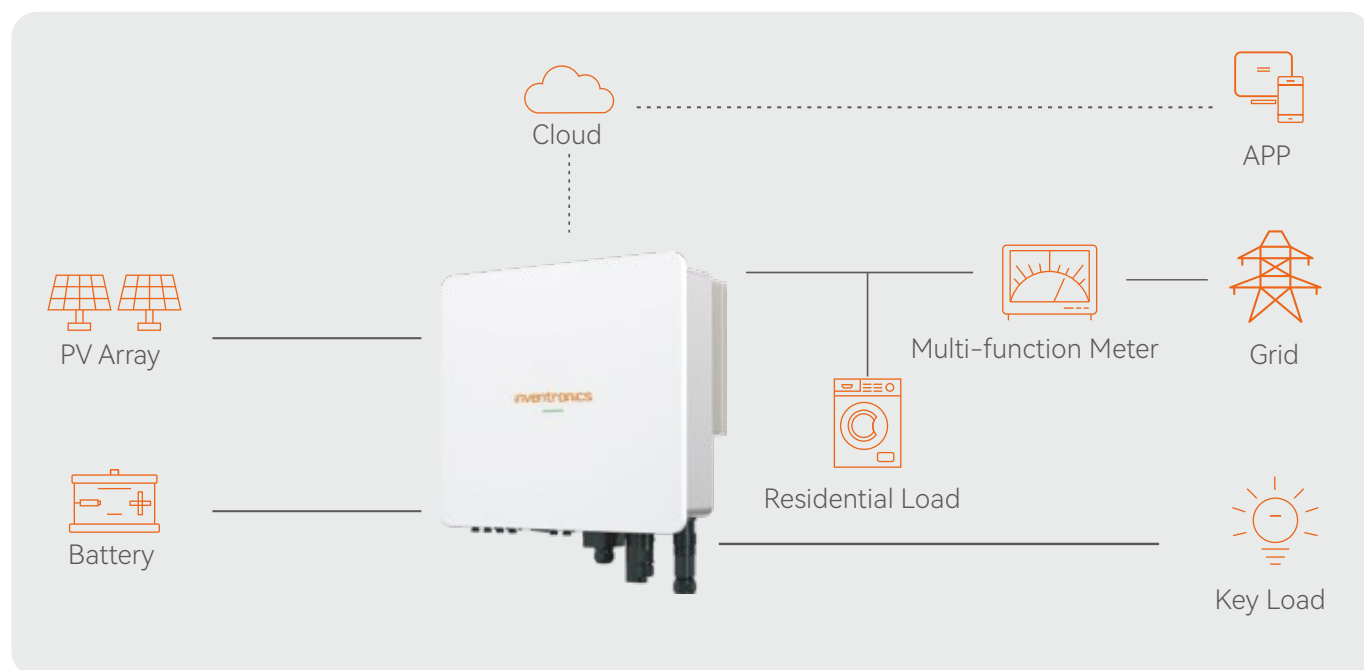


Strong Load Adaptability

UPS function
10ms on/off-grid switchover
100% three phase unbalance



Typical Configuration



Three Phase Inverter Datasheet

Model Name	HHB-10K000SCHV	HHB-12K000SCHV	HHB-15K000SCHV	HHB-18K000SCHV	HHB-20K000SCHV
Off-grid Output					
Nominal Output Power	10kW	12kW	15kW	18kW	20kW
Nominal Voltage	3/N/PE, 220/380Vac, 230/400Vac				
Nominal Frequency	50/60Hz				
Output THDu	<3%				
Nominal Output Current	15A	18A	22.5A	27A	30A
On-grid Parameter					
Nominal Output Power	10kW	12kW	15kW	18kW	20kW
Peak Power-Duraon	11kVA-60s	13.2kVA-60s	16.5kVA-60s	19.8kVA-60s	22kVA-60s
Max. Input Power from Grid	20kW	24kW	30kW	36kW	40kW
Max. Input Current from Grid	29A	35A	44A	52A	58A
Max. Output Current	16A	20A	24A	29A	32A
Nominal Grid Voltage	3/N/PE, 220/380V, 230/400V , 240/415V				
Grid Voltage Range	184-276V/320-480V				
PV Input					
Max. Input Power	20000Wp	24000Wp	30000Wp	30000Wp	30000Wp
Max. Input Voltage	1000V				
Number of MPPTs	2				
Max. Input Strings Per MPPT	2				
MPPT Voltage Range	130-960V				
Nominal input Voltage	600V				
Starting Voltage	200V				
Max. Input Current	25A/25A				
Short-Circuit Current	30A/30A				
Battery Parameter					
Battery Type	Lithium-ion/Lead-Acid/Sodium-ion(optional)				
Number of Battery Input	2				
Battery Voltage Range	125-800V				
Full Load Battery Voltage Range	210-800V	250-800V	300-800V	360-800V	400-800V
Peak Charging/Discharging Current & Duration	35A+35A(60s)				
Max. Charging/Discharging Current	25A+25A				
Efficiency					
Max. Efficiency	98.20%				
European Efficiency	97.70%				
Max. Battery Charging/Discharging Efficiency	97.80%				
General Data					
Size(W*H*D)	573mm*509mm*219mm				
Weight	35kg				
Noise	<45dB				
Operating Temperature Range	-25°C~+60°C				
Cooling Method	Intelligent Air Cooling				
Ingress Protection Grade	IP65				
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port				
Monitoring	LED/APP/WIFI/4G/Bluetooth				
Protection	DC Switch, AC Overvoltage Protection, AC Overcurrent Protection, AC Short Circuit Protection, Anti-islanding Protection, Residual Current Monitoring, PV Insulation Resistance Detection, Surge Protection:LEVEL II , Reverse Polarity Protection(PV&Battery);Lightning Protection				
Certification					
CE_LVD	IEC 62109-1, IEC 62109-2, EN 62109-1, EN 62109-2, IEC 62477-1				
CE EMC	EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4, EN 62920				
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, PEA, MEA, IEC 62116, IEC 61727 NRS 097-2-1, AS 4777.2, R25,UNE217001, UNE217002, NTS 2.1, NC RfG				