

inventronics

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



SiC Series



Inventronics Inc.



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Single Phase Hybrid Inverter



Higher Reliability

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



High Capacity

6 units in parallel



Smart Monitoring

Auto sleep
VPP interface ready
Cloud + Smart data analysis

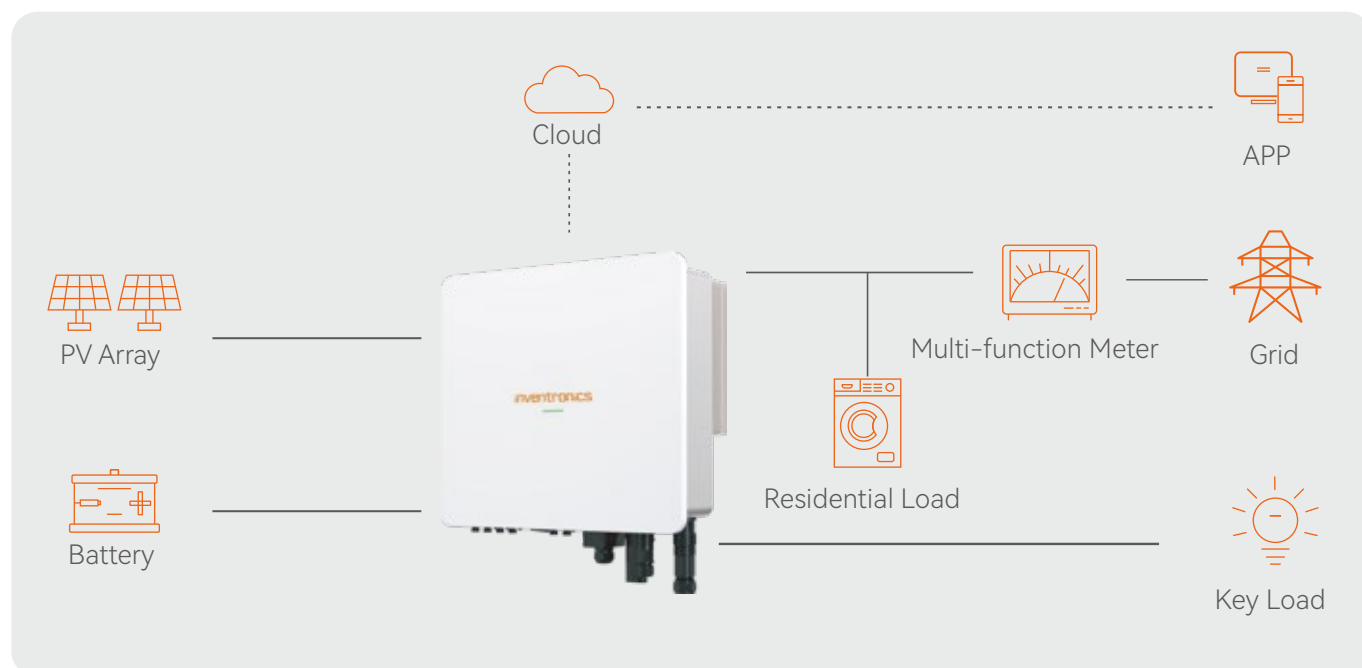


Strong Load Adaptability

UPS function
10ms on/off-grid switchover



Typical Configuration



Single Phase Inverter Datasheet

Model Name	HHB-03K000SCLV HHB-3K6000SCLV HHB-04K000SCLV HHB-4K6000SCLV HHB-05K000SCLV HHB-06K000SCLV					
Off-grid Output						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Nominal Voltage	220V/230V/240V					
Nominal Frequency	50/60Hz					
Nominal Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Output THDu	<2%					
On-grid Parameter						
Nominal Output Power	3000W	3600W	4000W	4600W	5000W	6000W
Max. Output Current	13.6A	16.4A	18.2A	20.8A	22.7A	27.2A
Nominal Grid Voltage	220V/230V/240V					
Max. Input Current from Grid	16.4A	22.7A	22.2A			
Grid Voltage Range	184-276V					
Frequency Range	45-65Hz					
PV Input						
Max. Input Power	6000Wp	7200Wp	8000Wp		9000Wp	
Starting Voltage	95V					
Max.Input Voltage	600V					
MPPT Voltage Range	80-550V					
Full Load MPPT Voltage Range	350-500V					
Number of MPPT	2					
Max. Input String Per MPPT	1					
Nominal Input Voltage	360V					
Max. Input Current	18A/18A					
Battery Parameter						
Battery Type	Lithium-ion					
Nominal Battery Voltage	51.2V					
Battery Voltage Range	42-58V					
Max. Charging Voltage	≤60V					
Max. Continuous Charging/Discharging Current	75A	85A	100A			
Efficiency						
Max. Efficiency	97.5%		97.8%	98.0%		
European Efficiency	97.2%		97.3%	97.5%		
Max. Battery Charging/Discharging Efficiency	95.2%					
General Data						
Size(W*H*D)	500mm*470mm*180mm					
Weight	21kg					
Noise	<25dB					
Operating Temperature Range	-25℃~+60℃					
Cooling Method	Natural cooling					
Ingress Protection Grade	IP65					
Monitoring	LED/APP/WIFI/4G/Bluetooth					
Communication Port	RS485/CAN/DRED/Dry contact/Parallel port					
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	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN62920					
Grid	VDE-AR-N 4105, C10-11, G98/G99, CEI 0-21, EN50549, NRS 097-2-1, R25,UNE217001, UNE217002, NTS 2.1, PEA, MFA, NC RfG					

