



5000W

The Hengtong Energy Storage Photovoltaic Inverter is specifically designed for residential and small commercial use. It is compact, highly efficient, and equipped with multiple protection functions, making it safe, reliable, stable, and intelligent. It has a high level of protection with a rating of up to IP65 and has strong environmental adaptability.



HELIOS (HTNV-5KLSHB) Residential Photovoltaic Inverter

Home Smart Energy Management Terminal

Two charging modes are available photovoltaic and grid

Integrated molding technology and lightweight design

Worry-free operation at high altitudes, and reliable performance under harsh conditions such as extreme cold

Switching between grid-tied and off-grid modes in milliseconds, supporting uninterrupted intelligent switching between the two

With a protection rating of up to IP65 and wall-mounted design, it saves space



Farm



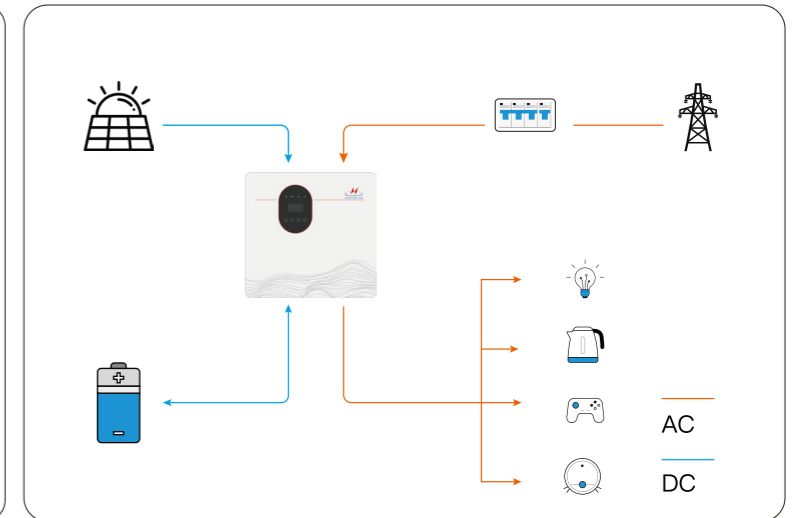
Communication Base Station



Nomadic Area



Household Electricity



MODEL		HTINV-5KLSHB
Input (PV)	Max. Power(kW)	7
	Max. DC Voltage(V)	550
	MPPT Voltage Range(V)	125-500
	Max.Input Current Of Single MPPT(A)	14
	MPPT Tracker/Strings	2/1
AC Output	Rated Output Power(kVA)	5
	Max. Output Current(A)	21.7
	Grid Voltage/Range(V)	230/176-270
	Frequency(Hz)	50/60
	PF	0.8Lagging-0.8Leading
	THDi	<3%
	AC Output Topology	L+N+PE
Battery	Battery Voltage Range(V)	40-58
	Max. Charging Voltage(V)	58
	Max. Charge/Discharge Current(A)	95/104.2
	Battery Type	Lithium /Lead-acid
Communication Interface		CAN/RS485
EPS Output	Rated Power (kVA)	5
	Rated Output Voltage(V)	230
	Rated Output Current(A)	21.7
	Rated Frequency (Hz)	50/60
	Automatic Switching Time (ms)	<20
THDu		<2%
Overload Capacity		110%, 30S/120%, 10S/150%, 0.02S
General Data	Battery Charge/Discharge Efficiency	95.00%
	DC Max. Efficiency	97.60%
	Europe Efficiency	97.00%
	MPPT Efficiency	99.90%
	Ingress Protection	IP65
	Noise Emission (dB)	<35
	Operation Temperature	-25°C-60°C
	Cooling	Natural
	Relative Humidity	0-95%(Non-Condensing)
	Altitude	2,000m(>2,000 Derating)
	Dimensions W*D*H(mm)	550*200*520
	Weight (kg)	2500.00%
	Isolation Transformer	No
	Self-Consumption(W)	<3
	Display	LCD
Interface:RS485/Wifi/4G/CAN/DRM	Yes/ Opt/ Opt/ Yes/ Yes	
Certificate	IEC/EN62109-1/-2,IEC/EN62477-1,IEC/EN 61000-6-1,IEC/EN 61000-6-3,South Africa NRS097-2-1:2017	