



شرکت آوای یمن توان

Solar Inverter

Single phase - Sine wave

Series HTS7000 (6000W)

This high-performance 6,000 W single-phase solar inverter combines advanced power management with reliable backup performance. Featuring pure sine wave output, 93% efficiency, and up to 12,000 VA of peak power, it is designed to provide stable and dependable power for a wide range of applications, including sensitive equipment.



Operating on a 48 V DC system, the inverter supports both lithium and lead-acid batteries and can also operate without a battery, offering greater flexibility for different solar energy system designs. Its 10 ms transfer time ensures fast switching between power sources with minimal interruption.

Two independent MPPT controllers maximize solar energy utilization, while the ability to connect up to six units in parallel makes it possible to increase the overall system capacity. Plug-and-play PV terminals make solar panel installation faster and easier. Built for demanding environments, the inverter includes a dust-resistant filter for improved protection. Two AC inputs and an integrated Automatic Transfer Switch (ATS) enable automatic switching between power sources without the need for additional equipment.

The built-in 80 A charger provides efficient battery charging, while the 230 V AC input supports a selectable voltage range and automatic 50/60 Hz frequency detection. and is recommended for installation at altitudes.

Specifications

- Plug-and-Play terminal for PV port
- Dual MPP trackers
- Maximum PV input voltage up to 500VDC
- Configurable grid or solar input priority
- Parallel for scalability
- Dust-proof filter for harsh environment
- Two AC input terminals with integrated transfer switch Growatt



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MODEL		HTS 6000 Plus
Battery	Battery Voltage	48VDC
	Battery Type	Lithium / Lead-acid
Inverter Output	Rated Power	6000VA / 6000W
	Parallel Capability	Yes, maximum 6 units
	AC Voltage Regulation (Battery Mode)	230VAC $\pm$ 5% @ 50/60Hz
	Surge Power	12000VA
	Peak Efficiency	93%
	Waveform	Pure sine wave
	Transfer Time	10ms typical, 20ms max
Solar Charger	Maximum PV Array Power	8000W
	MPPT Operating Range	120VDC – 450VDC
	Independent MPP Trackers / Strings	2/1
	Max. Input Current per MPP Tracker	16A
	Maximum PV Open-Circuit Voltage	500VDC
	Maximum Solar Charge Current	100A
AC Charger	AC Charge Current	80A
	AC Input Voltage	230VAC
	Frequency Range	50Hz / 60Hz (Auto sensing)
	Selectable Voltage Range	170–280VAC (PC) / 90–280VAC (Home Appliances)
Physical	Protection Degree	IP20
	Dimensions (W/H/D)	460 × 395 × 132 mm
	Net Weight	13.5 kg
Operating Environment	Operating Temperature	0°C – 55°C
	Storage Temperature	-15°C – 60°C
	Humidity	5%–95% RH, non-condensing
	Altitude	< 2000 m