

# H10000S

## 10kW Single-phase Hybrid Inverter

- Three MPPT, 150% oversized PV input, up to 18,000W
- Lightweight and compact design, easy to install
- External pull-out smart fan design, reducing post-sales maintenance costs and extending product lifecycle
- 240A ultra-large battery charge/discharge current, faster charging speed, and stronger load capacity
- Maximum efficiency of 97.8%, delivering higher economic benefits
- Six units support off-grid parallel operation, achieving a maximum power output of 72kW
- Generator compatibility with dry contact control for automatic diesel engine start/stop and intelligent load management
- 4.3-inch large LCD screen combined with APP remote monitoring for convenient and efficient system management



Technical Specification		H10000T
<b>Battery Specification</b>		
Battery Voltage Range		40V-60V
Max. Charging/Discharging Current		290A/29A
<b>PV String Input Specification</b>		
Max. PV Input Power		22500W
Max. PV Input Voltage		900V
Start-up Voltage		120V
No. of MPP Trackers/ No. of Strings MPP Tracker		2/(2+2)
Max. Input Current per MPPT		32A/32A
<b>Grid Port Specification</b>		
Max. Input Apparent Power		22500VA
Rated Output Active Power		15000W
Max. Output Apparent Power		15000VA
Max. Input Current		34.1A
Rated Grid Voltage		380V/400V,3L/N/PE
Rated Grid Frequency		50Hz/60Hz
Power Factor		1 (0.8 leading - 0.8 lagging)
Total Current Harmonic Distortion THDi		<3%
<b>GEN port Specification</b>		
Rated Input Active Power		15000W
Max. Input Current		22.8A
Rated Grid Voltage		380V/400V,3L/N/PE
Rated Grid Frequency		50Hz/60Hz
<b>Backup Port Specification</b>		
Rated Output Active Power		15000W
Max. Output Apparent Power		2 times of rated power,10S
Transform Time (on-line to off-line)		<10mS
Rated Output Voltage		3L/N/PE, 380V/400V
Rated Frequency		50Hz/60Hz
Max. Continuous Output Current		22.8A
Max. Continuous Bypass Current(grid to load)		45A
Total Voltage Harmonic Distortion THDv		<3%
<b>Efficiency</b>		
Max. Efficiency / Euro Efficiency		97.6%/97%
Surge Protection Level		TYPE II(DC), TYPE III(AC)
<b>General Data</b>		
Display		LCD+LED
Communication Interface		RS232, RS485, CAN
Monitor Mode		WIFI/Bluetooth/4G/LAN(optional)
Operating Temperature Range		-25°C to +60°C, >45°C Derating
Permissible Ambient Humidity		0-100%
Permissible Altitude		3000m
Noise		≤ 55 dB
Ingress Protection(IP) Rating		IP 65
Warranty		5 Years
Type of Cooling		Intelligent Air Cooling