UPS5000-H- (400K~600KVA)-G

Data Sheet

UPS5000-H- (400K~600KVA)-G is a new generation of medium and large scale uninteruptable power system, which is mainly used in medium-sized enterprise data centers, large enterprise regional headquarters central computer rooms, automatic control systems, precision instruments and equipment and other scenes. The new 100KVA/3U hot-plug power module is adopted, which can effectively save the floor area and installation time. The system efficiency is as high as 97%. The sleep mode is low-load and efficient. Intelligent online mode to achieve 99.1% ultra-high efficiency, excellent indicators, while ensuring 0ms full mode switching.

Highlights

Minimalism

- Key components modular hotplug redundant design, no single point of failure.
- Modular hot-swap design, 5 minutes to complete online maintenance.
- UPS5000-H full modular architecture, to achieve full online phased expansion.

Green

- The battery has no midline design, easy installation, saving the initial investment cost of 10,000 yuan per unit.
- The system efficiency is up to 97%, 1% efficiency improves the life cycle and saves 400 + yuan of electricity.
- Sleep mode to achieve low load and high efficiency of UPS and improve the energy efficiency of initial power supply in data centers.

Smart

- iPower full link monitoring, turning passive alarms into active AI predictive maintenance.
- Bus capacitor lifetime prediction to improve power supply reliability and reduce maintenance costs.
- Fan lifetime prediction improves power supply reliability and reduces maintenance costs.

Technical Specifications

Input format	Three phase four wire +PE
Input the rated voltage	380V AC/400V AC/415V AC (line voltage)
Input voltage range	80V AC ~ 280V AC (phase voltage)
Input rated frequency	50Hz/60Hz
Input frequency range	40Hz to 70Hz
Input power factor	Full load > 0.99 Half load > 0.98
Input harmonic current	THDi ⩽ 3% (linear full load) THDi ⩽ 5% (nonlinear full load)
Battery voltage	Lead-acid battery: 360V DC ~ 600V DC 12V battery, 30 to 50 units optional, default 40 units Max. 12 units connected in parallel SmartLi: 512V
Battery management	Smart Battery Management
One-click cold start	In the event of a mains power outage, the power from the battery alone is able to start the UPS to power the load
Charger Output Power	The maximum charging power of a single module is 15kW under rated conditions
Charger current limit	Maximum 30A per module
Battery pack sharing function	It supports the battery pack sharing when the power units are connected in parallel, and the default is not to share the battery
Charging voltage requirements	Average charging voltage: 2.3V/Cell ~ 2.4V/Cell, default 2.35V/Cell Floating charging voltage: 2.23V/Cell ~ 2.3V/Cell, default 2.25V/cell
Minimum voltage of battery cell	1.67V/cell ~ 1.9V/cell
Output mode	Three phase four wire +PE
Output voltage	380V AC/400V AC/415V AC (line voltage)
Output frequency	Synchronizing state, tracking bypass input (mains mode) 50Hz/60Hz±0.05% (battery mode)
Output voltage distortion	THDv ⩽ 1% under 100% linear load THDv ⩽ 3% under 100% nonlinear load
Output power factor	1
Unbalanced output voltage	Voltage imbalance: ±3%; Phase unbalance: ±2°
Output overload capability	Inverter overload capacity: 100% < load ⩽110%, after 60 minutes to bypass output; 110% < load ⩽125%, 10 minutes after the bypass output; 125% < load ⩽150%, 1 minute after the bypass output

* The pictures, technical parameters and instructions displayed in the product promotion are for reference only, and the specific products are subject to the actual delivery.

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