【Module Series EH9500 】

20KVA-400KVA

The EH9500 modular series is equipped with advanced "N + X" wireless parallel redundancy technology.
With 4 parallel units, the system is easy to upgrade, expand and maintain, with excellent electrical performance and high system availability.
The software and hardware protection functions are perfect. The System includes power modules, monitoring modules, power distribution modules,and maintenance.Road switch, output switch, can provide safe and reliable power supply for various loads.

Application field

EH9500 series are the best choice for petroleum, electric power, industrial manufacturing, chemical, ship, data centers and network management centers in various industries or fields such as ports and enterprise server rooms.

Product performance

- DSP full digital control technology, pure online double conversion architecture, with strong carrying capacity.
- Adopt standard cabinet, and the power distribution system is integrated inside the cabinet, which is convenient to install and saves user's investment.
- Input power factor up to 0.99, low harmonic current, environmental protection, high efficiency and energy saving
- Wide input voltage range, 50Hz/60Hz grid system adaptive, suitable for various environmental grids
- "N+X" wireless parallel redundancy technology, it is easy to set the number of redundant parallel units through the LCD screen; all modules support hot swap operation for easy maintenance
- Advanced battery intelligent management technology (automatic floating charge switching, battery pack temperature compensation, etc.) to effectively extend battery life
- With distributed bypass power supply, each module has built- in automatic bypass switch and corresponding bypass current sharing inductor, which provides good current sharing of system bypass power supply.
- Parallel modules share the same battery pack, saving user battery investment.
- With emergency shutdown (EPO) switch and remote emergency shutdown (REPO) function.
- Perfect software and hardware protection functions (C-level lightning protection, air-opening, Fuse, hardware protection, software protection), super self-diagnosis function, rich history query.
- Large LCD touch widescreen display for a friendly human- machine interface.
- Rich communication interface, including RS232, RS485, USB, dry contact, and SNMP (optional) card.
- Different external batteries can be selected according to user needs (32/34/36/38/40 pcs)
- Support battery cold start and city power self-start function to meet user needs With maintenance bypass, when there is an emergency, you can switch to the maintenance bypass power supply, and the maintenance personnel can safely perform online maintenance.
- Each module adopts an independent control system. The UPS module is independently controlled according to the shared information. After the faulty module fails, it can be disconnected from the parallel system immediately, which does not cause harm to the parallel system.

TECH SPECS

Model			EH9500-60KVA/20 EH9500-90KVA/30 EH9500-120KVA/40	EH9500-100KVA/20 EH9500-150KVA/30 EH9500-200KVA/40	EH9500-200KVA/20 EH9500-300KVA/30 EH9500-400KVA/40
Capacity	Module No.		RU-20(18KW)/RU-30(27KW)/RU-40(32KW)		
	Maximum Number of Module		3	5	10
Input	Input		3Ph+N+PE		
	Rated Voltage		380/400V/415Vac		
	Voltage Range		208~478Vac		
	Frequency Range		40~70Hz		
	Power Factor		≥ 0.99		
	Bypass Range		380Vac Max. Voltage :+25% (+10% ; +15% ; +20% optional) 400 Max Voltage : +20% (+10% ; +15% optional) 415 Max Voltage :+15% (+10% optional) Min Voltage: -45%(-20%;-30% optional) Bypass frequency protection range: ±10%		
	Harmonic distortion (THD)		≤ 3% (100% non-linear load)		
	Generator access		Support		
Output	Output		3Ph+N+PE		
	Rated Voltage		380/400V/415Vac		
	Voltage regulation		±1%		
	Output Frequency	Line Mode	Synchronous with input; when the line frequency exceeds the maximum ±10% (±1%, ±2%, ±4%, ±5% can be set), the output frequency is 50*(±0.2%)Hz		
		Bat. Mode	(50/60±0.2%)Hz		
	Crest factor		3:1		
	Transfer Time		AC mode to bypass mode: 0ms (tracking); AC mode to battery mode: 0ms		
	Overload Capability		Load≤ 110% last 10min; ≤ 125% last 1min; ≥ 150% turn to bypass mode immediately		
	Harmonic distortion (THD)		≤ 2%(100% Linear load)		
Others	Efficiency		95%		
	Communication Interface		RS232,RS485,2 Intelligent Slot (Smart card slot),dry connect		
	Executive Standard		CE,EN/IEC 62040-2, EN/IEC 62040-1-1, YD/T1095-2008		
Battery	Battery Voltage		±192V\±204V\±216V\±228V\±240V DC; (32 PCS,34PCS,36PCS,38PCS,40 PCS optional)		
	Charging Current	UPS Cabinet	30A Max.	50A Max.	100A Max.
		PowerModule	10A Max.		
Working Environment	Operating Temperature		0℃ ~ 40℃		
	Relative Humidity		0 ~ 95% non condensing		
	Storage Temperature		-25℃ ~ 55℃		
	Altitude		< 1500m		
Physical characteristics	Physical Dimension (D*W*H)mm	Cabinet	600 *840 *1400		600 *1100 *2000
		Module	580 * 443 *131 (3U)		
	Net Weight (kg)	Cabinet	157	169	306
		Module	33		