

EH9500 Series (20KVA-400KVA)

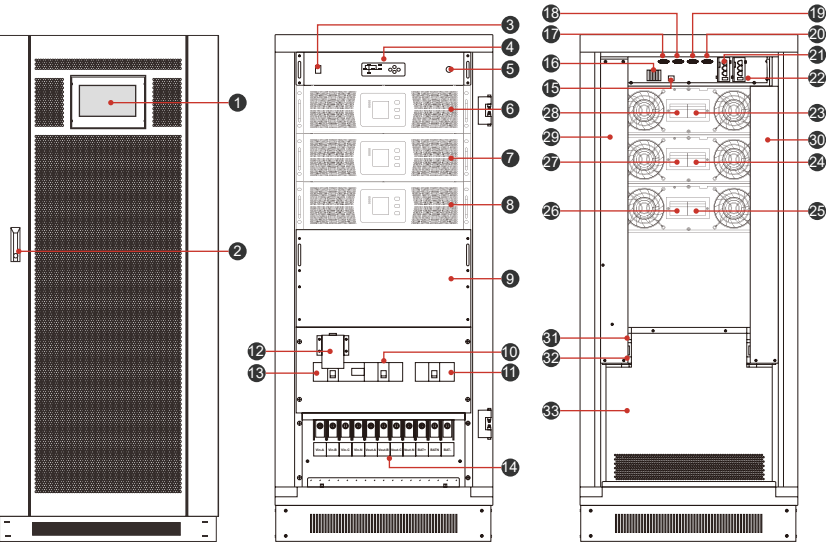
EH9500 Modular series adopts advanced "N+X" wireless parallel redundancy technology, which can support 4 parallel connections. The system is easy to update, dilatation and maintain, has excellent electrical performance, high system availability, perfect software and hardware protection. Including power modules, monitoring modules, power distribution modules, maintenance bypass switches, and output switches, providing safe and reliable power protection for varieties of loads.



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.

Front & Rear Panel Instruction



[60KVA/90KVA/120KVA]

1. LCD display

2. Front door lock

3. Monitoring module power switch

4. Monitoring Module LED Display

5. EPO (Emergency Off)

6. Power Module 1

7. Power Module 2

8. Power Module 3

9. Baffle

10. Output MCB

11. Battery MCB

12. Maintenance bypass switch baffle

13. Maintenance bypass MCB

14. Input / Output / Battery slot

15. LCD

16. Dry contact
17. RS485

18. RS485

19. RS232

20. OPTION

21. Intelligent slot

22. SNMP port

23. Power Module 1 Input switch

24. Power Module 2 Input switch

25. Power Module 3 Input switch

26. Power Module 3 bypass switch

27. Power Module 2 bypass switch

28. Power Module 1 bypass switch

29. Input PDU

30. Output PDU

31. Parallel port

32. Software burning port

33. Back Baffle

Specification

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		RU-20(18KW)/RU-30(27KW)/RU-40(32KW)		
	Max module quantity		3	5	10
Input	Input phase		3 Phases 4 wires + neutral		
	Rated voltage		380/400V/415Vac		
	AC voltage range		208~478Vac		
	Frequency range		40~70Hz		
	Power factor		≥0.99		
	Bypass range		380vac up: 25% (+10%, +15%/, +20% can be set) 400vac up: 20% (+10%, +15% can be set) 415vac up: 15% (+10%) Down to 45% (-20%/-30% available) Bypass frequency protection range: ±10%		
	Input current harmonic		≤ 3% (100% non-linear load)		
Output	Output phase		3 Phases 4 wires + neutral		
	Rated voltage		380/400V/415Vac		
	Voltage regulation		±1%		
	Output frequency	Bypass mode	Same with utility; When utility frequency is higher than maxium ±10% (±1%, ±2%, ±4%, ±5% can be set, output frequency 50Hz×(±0.2%)Hz		
		Battery mode	(50/60±0.2%)Hz		
	Load peak ratio		3:1		
	Transfer time		Inverter mode to Bypass mode: 0ms (track) Line mode to Battery mode: 0ms		
	Overload capacity		Load ≤ 110%, 60min, ≤ 125%, lasting 10min, ≤ 150% lasting 1min, ≥ 150% transfer to bypass mode immepeately		
Output voltage harmonic		≤ 2%(100% non-linear load)			
Others	Efficiency		95%		
	Communication		RS232, RS485, 2 Intelligent Slot (Intelligent card slot, dry contact)		
	Standards		CE, EN/IEC 62040-2, EN/IEC 62040-1-1, YD/T1095-2008		
Battery	Battery voltage		±192V, ±204V, ±216V, ±228V, ±240V DC; (32pcs, 34pcs, 36pcs, 38pcs, 40pcs selectable)		
	Charge current	UPS cabinet	30A Max.	50A Max.	100A Max.
		Power module	10A Max.		
Environment	Operation temperautre		0℃ ~40℃		
	Operation Humidity		0~95% non condensing		
	Storage temperature		-25℃ ~55℃		
	Operation altitude		< 1500m		
Physical	Dimension (D×W×H)	Cabinet	600 x 840 x 1400mm		600 x 1100 x 2000mm
		Module	580 x 443 x131		
	Net Weight	Cabinet	157kg	169kg	306kg
		Module	33kg		