

CMS Module (6kVA - 900kVA)



EA890L series UPS is an intelligent 3 phase in 3 phase out uninterruptible power supply, it adopts double transform high frequency PWM and high performance digital control technique (DSP), with perfect protection, super network management function, reasonable man-machine interface and a series of precision design, meets all high reliability requirements of uninterruptible power supply and integrates reliable, safety, maintainability characteristics of a new generation low frequency UPS.

FEAUTES

GREAT FLEXIBILITY

- Modular design, hot swappable, online upgrade, super fast maintenance process, capacity expansion.
- 2N, N+1, Δ 2N multiple power supply solutions;
- Any power module has a balanced distribution function for input, output and charging power;
- Standard structure design, compact footprint, less weight, meets the load-bearing requirements of ordinary buildings;
- Air flow from front to rear or top, installation against wall;
- Soft start function for Gensets;
- Energy storage function.

SAFETY & RELIABILITY

- Multiple redundancy measures, perfect fault isolation protection
- Advanced DSP digital control technology
- Master-slave synchronization in sequence control, multi-level decentralized control technology
- Supports integrating with one battery pack
- Adaptive lead-acid battery or lithium battery system, complete battery management function

HIGH EFFICIENCY & ENERGY SAVING

- ECO efficiency up to 99%, iECO efficiency up to 99.5%.
- Continuous current mode (CCM) is adopted for AC input, input THDI < 3%, input PF > 0.99, greatly reduced interference to power grid (RFI/EMI)
- Peak coefficient of output current is 3:1, greatly enhanced ability of carrying load
- Power module sleep mode settable, automatic adjustment of quantity of working modules.

SPECIFICATIONS

Model	CMS-450/75	CMS-600/75	CMS-900/75	CMS-1200/75
System Capacity (kVA/kW).	450 kVA/kW	600 kVA/kW	900 kVA/kW	1200 kVA/kW
INPUT				
Phase	3Ph+N+PE			
Nominal Input Voltage	380V/400V/415V AC, Three-Phase Five-Wire			
Input Voltage Range	132- 276 VAC, (If 132-176VAC, 50% load max.)			
Input rated frequency	50/60Hz			
THDI	< 3%			
Power Factor	≥ 0.99			
Bypass Voltage Range	± 20%			
Bypass Frequency Range	50/60±10%			
Bypass synchronization tracking range	± (0.5, 1, 2, 3, 5) adjustable			
Output				
Output active power (kW)	450	600	900	1200
Output rated voltage	380V/400V/415V AC, Three-Phase Five-Wire			
Output Frequency	50/60Hz			
Overload Ability	10 minutes at 125%			
Output Voltage THD	≤ 2%(Resistive load), ≤ 4% (Non-linear load)			
Output voltage stabilization accuracy	≤ 1%			
Voltage Recovering Time	≤ 20ms			
Transfer From Mains to Battery Supply	0ms			
Efficiency	Up to 99% in ECO mode , Up to 99.5% in iECO mode			
Battery				
Battery Rated Voltage	± 240V DC			
VRLA Battery	40 (Range 32-44)			
Access to Lithium-ion Battery	Standard			
Environmental				
Operating Temperature	-5°C ~40°C			
Operating Relative Humidity	≤ 95%, non-condensation			
Altitude	5000m, derating if 1000 above			
Protection Class	IP20			
Others				
Parallel Configuration	No less than 4 units (N+1)			
EPO	Support			
Communication	RS232/RS485, CAN, USB, Dry contact, SD Card as standard. MODBUS, SNMP (optional)			
Safety Compliance	IEC/EN 62040-1, IEC/EN 60950-1			
EMC Compatibility & Performance	IEC/EN 62040-2, IEC/EN 62040-3			
DimensionStandard (1*breaker)	900*1000*2000	1200*1000*2000	1800*1000*2000	2000*1000*2200
(W*D*H)mmOptional (4 breakers)	1200*1000*2000			
Weight (kg)	344	387	618	700

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