

ONLINE DOUBLE-CONVERSION UPS

20-200 kVA MODULAR UPS

Flexible, dependable power protection for critical systems

PRODUCT OVERVIEW

This three-phase input, three-phase output modular UPS series uses 20 kVA power modules and offers 60, 120 and 200 kVA cabinet configurations. N+X redundancy, hot-swappable modules, DSP control and advanced battery management help maintain continuous power for critical loads.

KEY FEATURES



● Smart Sleep Technology

Improves efficiency at light loads and helps balance operating time across power modules.

● DSP & IGBT Technology

Stable power conversion, compact construction and reliable operation.

● Self-Aging Test Mode

Internal full-load testing designed to use approximately 10% of rated power.

● Battery Cold Start

Allows the UPS to start from its batteries when utility power is unavailable.

● N+X Modular Redundancy

Hot-swappable power and bypass modules support power continuity during servicing.

● Wide Input Range

Wide input voltage tolerance with an input power factor greater than 0.99.

● Intelligent Battery Management

Independent charging and discharging control helps support battery service life.

● Easy Service & Monitoring

Front access, touch display and an integrated hot-swap battery option up to 60 kVA.

TECHNICAL SPECIFICATIONS

CAPACITY & CABINET OPTIONS

Capacity	60 kVA	120 kVA	200 kVA	60 kVA Battery
Cabinet weight (kg)	105	150	180	205
Cabinet size (mm) W x D x H	600×900×1100	600×900×1600	600×900×2000	600×1020×2000
Power module	20 kVA / 18 kW	20 kVA / 18 kW	20 kVA / 18 kW	20 kVA / 18 kW
Module weight / size	22 kg; 440×590×134 mm	22 kg; 440×590×134 mm	22 kg; 440×590×134 mm	22 kg; 440×590×134 mm

TECHNICAL SPECIFICATIONS

Input	3-phase + N + PE; 380/400/415 VAC (L-L); 50/60 Hz; 304-478 VAC at full load and linear derating at 228-304 VAC; frequency range 40-70 Hz; input PF >0.99; THDi <3%.
Bypass	380/400/415 VAC; 50/60 Hz; adjustable voltage window -40% to +25%; frequency range ±1, ±3 or ±5 Hz. Source bypass overload ratings: 120% continuous, 130% for 1 h, 150% for 6 min, 1000% for 100 ms.
Output	380/400/415 VAC; 50/60 Hz; output PF 0.9; regulation ±1% balanced and ±1.5% unbalanced; THDu <1% linear and <5.5% non-linear load; crest factor 3:1.
Inverter overload	110% for 1 hour, 125% for 10 minutes, 150% for 1 minute, >150% for 200 ms. Frequency precision 0.1%.
Battery	Nominal ±240 VDC; 40 batteries (adjustable in even numbers from 32 to 44); voltage precision ±1%; charging power up to 20% of output active power; Cold Start standard.
Efficiency & display	95% AC mode, 99% ECO mode and 95% battery mode. 5.7-inch touch LCD + LED + keypad.
Communication	RS232, RS485, programmable dry contacts. Options: SNMP, parallel kit, SPD, LBS and dust filter.
Environment	Operating 0-40 °C; storage -40-70 °C; relative humidity 0-95% non-condensing; IP20; 55 dB at 50% load (1 m); 1% derating per 100 m between 1000 and 2000 m.
Standards	Safety IEC/EN 62040-1; EMC IEC/EN 62040-2; performance IEC/EN 62040-3.