

ONLINE DOUBLE-CONVERSION UPS

10-150 kVA MODULAR UPS

Flexible, scalable and reliable power for data centers

PRODUCT OVERVIEW

ELSIPOWER modular UPS systems deliver continuous power to critical loads through standard rack-compatible architecture and online double-conversion technology. Flexible 3/3, 3/1 and 1/1 phase arrangements, hot-swappable power modules and intelligent system management facilitate capacity expansion and maintenance.

KEY FEATURES



10-150 kVA

● Rack Modular Design

Compatible with standard 19-inch rack cabinets for convenient server integration.

● High Power Density

2U power modules in 10, 15, 20 and 25 kVA ratings for easy expansion.

● Flexible Battery Options

Compatible with lead-acid and lithium battery systems.

● Smart Sleep Mode

Switches selected modules off at low loads to raise system efficiency.

● Flexible Configuration

Supports 3/3, 3/1 and 1/1 phase configurations for different installations.

● Smart Charging

Intelligent charging and discharging management supports longer battery life.

● User-Friendly Interface

7-inch color touch LCD with support for IoT functionality.

● Reliable Operation

Component protection and neutral-free battery options for supported units.

TECHNICAL SPECIFICATIONS

CAPACITY & MODULE OPTIONS

Module rating	10 kVA	15 kVA	20 kVA	25 kVA
Capacity options	20 / 40 / 60	30 / 60 / 90	40 / 80 / 120	50 / 100 / 150
Cabinet weights (kg)	39 / 52 / 88	39 / 64 / 88	39 / 64 / 88	39 / 64 / 88
Module size (mm)	400×495×86	400×495×86	400×495×86	400×495×86
Sample cabinet sizes (mm)	442×711×307	442×660×797	442×660×797	442×660×976

COMMON TECHNICAL DATA

Input	3P+N+PE or L+N+PE. Three-phase 380/400/415 VAC, single-phase 220/230/240 VAC; input PF >0.99; THDi <2%; input frequency range 40–70 Hz.
Input voltage range	Three-phase: 304–478 VAC at full load; 228–304 VAC derated from 100% to 75%. Single-phase: 176–276 VAC at full load; 132–176 VAC with corresponding derating.
Bypass	Three-phase 380/400/415 VAC or single-phase 220/230/240 VAC. Voltage window -40% / +25%, default -20% / +15%; frequency window ±1, ±3, ±5 Hz; overload 110% continuous, 125% 5 min, 150% 1 min.
Output	Three-phase 380/400/415 VAC or single-phase 220/230/240 VAC; 50/60 Hz; output PF 1; voltage regulation ±1%; THDv <1% linear, <5% non-linear load; crest factor 3:1.
Battery	Depending on module family, 20–44 or 32–44 batteries adjustable; derating at lower battery counts for applicable models. Standard 3-wire or optional 2-wire battery configurations; charging precision ±1%.
Efficiency	Normal mode up to 96.5%; battery mode up to 95.3% or 95.5%, depending on module family.
Display & interfaces	7-inch touch LCD + LED; USB, RS232, RS485, dry contacts, Cold Start. Optional SNMP, AS400, parallel kit, LBS and air filter.
Environment & standards	IP20; operation 0–40 °C; relative humidity 0–95% non-condensing; 1% power derating per 100 m above 1000 m; noise 62 dB at full load and 58 dB at 45% load. IEC 62040 series.