

VS ActivEvo series is the latest innovation in three-phase in single-phase out power protection system that offers reliable and clean continuous backup power based on proven double-conversion online topology. It is designed specifically for small computer room or IT networks that require protected power capacity from 6 to 30kVA.

ActivEvo UPS provides unique benefits to users with its modular scalable design that addresses the needs of higher power capacity or greater redundancy without a complete change of system while its dual- CPU control ensures high reliability and stability throughout its operation.

Features / Benefits

- ▶ Wide input voltage tolerance to prevent unnecessary battery discharge
- ▶ Clean sine wave output with PWM control
- ▶ IGBT design in inverter
- ▶ Output transformer after inverter to provide additional voltage stability
- ▶ Advanced battery management to prolong battery life span
- ▶ Wide input voltage tolerance to prevent unnecessary battery discharge
- ▶ Can be paralleled to increase capacity without additional parallel card
- ▶ Built-in automatic static bypass mechanism to guarantee continuous power to load
- ▶ Maintenance bypass switch to reduce service down time
- ▶ Wheels-base design for ease of installation
- ▶ LCD & LED status display and monitoring
- ▶ Enterprise-wide remote SNMP management



Technical Specifications

Capacity

Output power rating, kVA	10	15	20	30
Output power, kW	8	12	16	24
Dimension, w x d x h, mm	310x590x870	409x798x1044		555x741x1200
Weight w/o batteries, Kg	125	200	235	336

Output

Phase	1 Phase, Neutral and Ground
Rated Voltage (Sinusoidal)	220 / 230 / 240 Vac
Transient response	<1 cycle
Voltage Response at dynamic load change	+/-3% (100% load change)
Total Harmonic Distortion	< 1.5% @ linear load < 3% @ non-linear load
Inverter Efficiency	>90%
Short Circuit Current	200ms @ 150% current
Overload Capacity	110-125% 60s, 150% 100ms later, transfer to bypass, restore after unloading
Outout Transformer	Yes

Battery

DV Voltage	192Vdc	240Vdc
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Input

Phase	3 Phase 4 Wire and Ground
Voltage Range	+/- 20%
Frequency	47.5 to 52.5 Hz

Bypass

Type	Automatic Static-state and Manual Maintenance Bypass
Voltage Range	No limit
Frequency Range	47 - 53 Hz
Transfer time	Inverter / Bypass switching time is 0ms

System

Paralleling	Enabled for N+X redundancy or increasing capacity
LCD Panel	I/O voltage, I/O frequency, battery voltage, load capacity, internal temperature
LED status Indicators	Mains input, Inverter output, Bypass, Battery, Fault, and overload
Remote interface	Dry contact (Mains input failure, battery low, bypass, fault), 12 Vdc, 80 mA
Communication interface	RS232 for software, SNMP and environmental monitoring
Operating temperature	0 to 40 degree Celcius
Relative humidity	< 95% without condensing
Audible noise	< 58dB at 1 m
Protection degree	IP 20
EMC standards	EN / IEC 62040-2, EN / IEC 62040-1-1

* E denotes extended backup time models

** Product specifications are subject to change without prior notice