

# VS activEnergy Pro

## Double-Conversion True Online 3-phase UPS

SCS VS ActivEnergy Pro series of high-performance 3-phase Online UPS is the power protection you need for critical enterprise systems, medium-to-large sized data centres, telecommunication, process control systems, and Internet service providers.

The innovative design using latest multi micro-processor technique, PWM control and robust IGBT-based technology coupled with intelligent paralleling architecture have resulted in a UPS that is compact, inherently reliable and highly scalable.

- Double-conversion true online system
- Available from 10 up to 200kVA in single module
- Can be paralleled to achieve up to 600kVA
- N+X redundancy
- High system efficiency
- Transformer for inverter stage protection
- Integrated static transfer switch and maintenance bypass
- LCD front panel with UPS status mimic diagram
- Wide input voltage range (programmable)
- Intelligent self diagnosis
- Power history logging
- Network manageable via SNMP
- Local (RS232) or remote monitoring (dry contacts)
- Extended warranty option



**SYNERGICT**  
scs power

## TECHNICAL SPECIFICATIONS

Topology: Double-conversion (voltage-frequency independent), true online with integrated static switch and maintenance bypass

Output power rating, kVA	10	20	30	40	60	80	100	120	160	200
Output power, kW	9	18	27	36	54	72	90	108	144	180
Dimension, w x d x h, mm	555x744x1220				800x760x1400			1640x900x1900		
Net weight UPS, Kg	225	275	320	335	490	575	1060	1060	1195	1380

### Output

Phase	3 Phase 4 Wire and Ground									
Rated Voltage (Sinusoidal)	380 / 400 / 415 Vac									
Transient Response	+/- 1% at balance load									
Voltage Transient Response	+/-5% at dynamic 0 to 100% load change									
Voltage Restore Time	<20ms return to stabilized voltage +/-1%									
Total Harmonic Distortion	< 3 % on linear load									
	<5 % on non-linear load									
Efficiency	88%	89%	90%	91%	92%					
Short Circuit Current	0.1 S (200 % current)									
Overload Capacity	110 % 300 min., 125 % 10 min., 150 % 1 min. at rated current									
Iso.Transformer at inverter	Yes									

### Battery

DC Voltage	384V @ 400Vac									
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### Input

Phase	3 Phase 3 Wire and Ground									
Voltage Range	+/-25 %									
Frequency Range	45 to 65 Hz auto-sensing									

### Bypass

Phase	3 Phase 4 Wire and Ground									
Type	Static state and manual maintenance bypass									
Voltage range	Upper limit: +10% to +20%, Lower limit : -10% to -40% settable									
Frequency range	+/- 2% (+/- 10%, +/- 20% settable)									
Transfer time	Inverter / bypass switch time is 0ms, Faulty inverter switch time is 1ms									

### System

Remote control	Emergency Power-Off and Bypass									
Remote interfaces	Dry contact (batt low, batt discharge, bypass, fault), 12 Vdc, 80 mA									
Communication interfaces	RS232 and RS485 for software, SNMP and environmental monitoring									
Operating temperature	0 to 40 degree Celcius									
Relative humidity	< 95% without condensing									
Audible noise	< 65dB at 1 m			< 65dB at 1 m				72dB		
Protection degree	IP 20									
EMC standards	IEC62040-2, IEC61000-4-2 (ESD), IEC61000-4-3 (RS)									

Product specifications are subject to change without prior notice.