



UPS SP3 THREE-PHASE

- 3 Level IGBT Technology
- High Efficiency, On-line Mode Efficiency 96%
- High Input Power Factor >0.99
- Low Input Harmonic, THDi% <3%
- Unity Output Power Factor 1.0
- Power Scalable and Parallel Redundancy
- Separate / Common Battery Configuration for Parallel Redundant System
- Iconic design HMI – Colour LCD Touch Screen



The SP3 on-line VFI-SS-111 double conversion UPS with static By-Pass (in compliance with IEC EN 62040-3 regulation), ensure constant load and total elimination of electrical noise as it does not provide any direct network-user connection.

Fully managed by microprocessors, the SP3 UPS power the users with a perfect sinusoidal waveform, ensuring maximum load protection avoiding interferences and optimizing energy saving.

The SP3 technology and its high-performance components, ensure the highest quality standards and high levels of efficiency, together with extremely compact dimensions.

Flexibility of configurations, performances, accessories and options make the SP3 UPS suitable for a wide variety of applications (capacitive load supply without any reduction in active power; On Line or Eco operation; frequency converter mode, etc.).

UPS of the series SP3-TS are available with three-phase input and output voltage, in a range of power from 10kVA to 80kVA, in parallel (maximum 6 units), with standard or extended autonomy.



TECHNICAL SPECIFICATIONS

MODEL		TS 10kVA/kW	TS 20kVA/kW	TS 30kVA/kW	TS 40kVA/kW	TS 60kVA/kW	TS 80kVA/kW
INPUT	Phase	Three-phase					
	Voltage Tolerance	±20% at full load					
	Frequency Range	40-70Hz					
	Power Factor	≥ 0.99					
	THDi	<3%					
OUTPUT	Voltage	380/400/415V Three-phase + N					
	Voltage Tolerance	±1% (Static Load)					
	Frequency Range	50-60Hz					
	Frequency Tolerance	±0.05%					
	Power Factor	1.0					
	Crest Factor	3:1					
	Voltage Harmonic Distortion	≤1% with linear load ≤3% with distorting load					
BATTERY	Number of Batteries	12V, 32/34/36/38/40 pcs configurable					
	Max. Charging Current	26-40 pcs configurable					
	Internal Batteries	Available for 12V/9Ah 40 pcs for 2 strings				N.A.	
EFFICIENCY	VFI Mode	>94%		>95%		>95%	
	ECO Mode			>98%			
	Backup Mode	>93%	>93%	>94%	>94%	>94%	>94%
HMI & COMMUNICATION	Display and MMI	4.3" Colourful LCD Touch					
	Built-in Communication Port	RS-232, USB, EPO, Dry Contacts					
	Optional Communication	2 Communication Slots for SNMP Card, RS-485 MODBUS Card, Dry Contact Card					
ENVIRONMENTAL	Stocking Temperature	-20°C – 70°C					
	Stocking Humidity	≤95%					
	Operation Temperature	0-40°C					
	Operation Humidity	0-95% (without condensation)					
	Operation Altitude	<100 m without derating ²⁾					
NOISE	dB (at 1 meter)	<52dB	<52dB	<56dB	<56dB	<60dB	<60dB
PHYSICAL	L x P x H mm	440 x 860 x 1390 (with wheels)				600 x 827 x 1253 (w/o wheels) 600 x 827 x 1345 (with wheels)	
	Kg	84kg	86kg	130kg	132kg	194kg (w/o wheels) 200kg (with wheels)	204kg (w/o wheels) 210kg (with wheels)
	Protection Grade	IP20					
	Colour	RAL 7016, Anthracite Grey					
STANDARDS & CERTIFICATIONS	Markings	CE					
	EMC	EN62040-2					
	LVD	EN62040-2					