SUPREME

Smart Innovation

Power Up, Even When the Lights Go Out

PREMIUM SERIES

UNINTERRUPTIBLE POWER SUPPLY

(10kVA ~ 120kVA)

SPM9330T

www.supremepowersystems.com

SPM9330T - TRANSFORMER-BASED, ONLINE UPS (3:3)

10kVA ~ 120kVA

Features

- Online double-conversion with full DSP control
- IGBT inverter with output isolation transformer
- 100% unbalance load capability
- Output power factor 0.9
- Generator compatible
- Support battery cold start and auto-restart when mains power is restored
- ECO mode operation for energy saving
- Superior protection
- 5.7 inches LCD touch screen, friendly human & machine interface
- Front access makes maintenance and replacement simplified (60 ~ 120 kVA)
- Intelligent self-diagnosing function, all kinds of failure protection, large capability of history records storage
- High MTBF (> 200,000 h)
- Low MTTR (< 0.5 h)
- Standard emergency power off (EPO)
- Standard RS232, RS485, dry contacts communication port
- Optional SNMP communication port
- Optional N+X redundancy parallel up to 6 units
- Optional input filter to improve input power factor

MODEL	SPM93310T	SPM93315T	SPM93320T	SPM93330T	SPM93340T	SPM93360T	SPM93380T	SPM933100T	SPM933120T
Capacity	10 kVA/ 9 kW	15 kVA/ 13.5 kW	20 kVA/ 18 kW	30 kVA/ 27 kW	40 kVA/ 36 kW	60 kVA/ 54 kW	80 kVA/ 72 kW	100 kVA/ 90 kW	120 kVA/ 108 kW
INPUT									
Input wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Voltage range	285~ 475V								
Rated frequency	50 / 60 Hz								
Frequency range	(50 / 60) ± 5 Hz								
Power factor	≥ 0.95 (with filter)								
Delayed start of rectifier	10 s (1 ~ 300 settable)								
Bypass voltage range	± 20% (settable)								
OUTPUT									
Output wiring	Three-phase five-wire (3Φ + N + PE)								
Rated voltage	380 / 400 / 415 Vac								
Output voltage regulation	± 1%								
Output frequency regulation	50 / 60 Hz ± 0.1% in battery mode								
Waveform	Sinusoidal								
Power factor	0.9								
Voltage distortion (THDv)	≤ 1% (linear load), ≤ 5% (non-linear load)								
Crest factor	3:1								
Overload	105% ~ 110% for 60 min, 110% ~ 125% for 10 min								
BATTERIES									
DC Voltage	Lead acid battery: 360Vdc Lithium iron phosphate battery: 384 Vdc								
Number of batteries	6Lead acid battery: 12 V x 30 pcs (support 28~32 pcs) Lead acid battery: 2 V x 180 pcs (support 168~192 pcs) Lithium iron phosphate battery: 3.2 V x 120 pcs (support 112/120 pcs)								
Charging current	Charging rate (settable) × battery capacity (settable) × number of battery groups (settable)								
SYSTEM									
Efficiency	In line mode: Max. 93%; ECO mode: ≥ 98%								
Max. number of parallel connections	6								
Protections	Short-circuit, overload, overvoltage, undervoltage. low battery, overtemperature, fan failure								
Communications	RS232 / RS485 / dry contacts (standard), SNMP (optional)								
EMI	EN62040-2								
EMS	IEC61000-4-2(ESD) IEC61000-4-3(RS) IEC61000-4-4(EFT) IEC61000-4-5(surge)								
OTHERS									
Operating temperature	0 ~ 40℃								
Storage temperature	-25℃ ~ 55℃ (without batteries)								
Relative humidity	0 ~ 95% (non-condensing)								
Altitude	≤ 1000 m (derating 1% for each additional 100 m)								
IP rating	IP 20								
Noise level at 1 m	65 dB								
Dimensions (W×D×H) (mm)	400 × 800 × 1100					600 × 700 × 1500	700 × 800 × 1700		
Packaged dimensions (W × D × H) (mm)	490 × 920 × 1300					700 × 800 × 1650	800 × 900 × 1850		
Net weight (kg)	158	165	175	210	260	460	590	630	690
Gross weight (kg)	200	207	217	252	302	480	620	660	720

** All specifications are subject to change without notice*
** Custom-made specifications are acceptable*
** This product is applicable to industrial, commercial, financial, rail transit and other industry applications, but not available for life support systems*
** For critical systems related to public safety or significant economic benefits, dual power system is required to power the load*

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