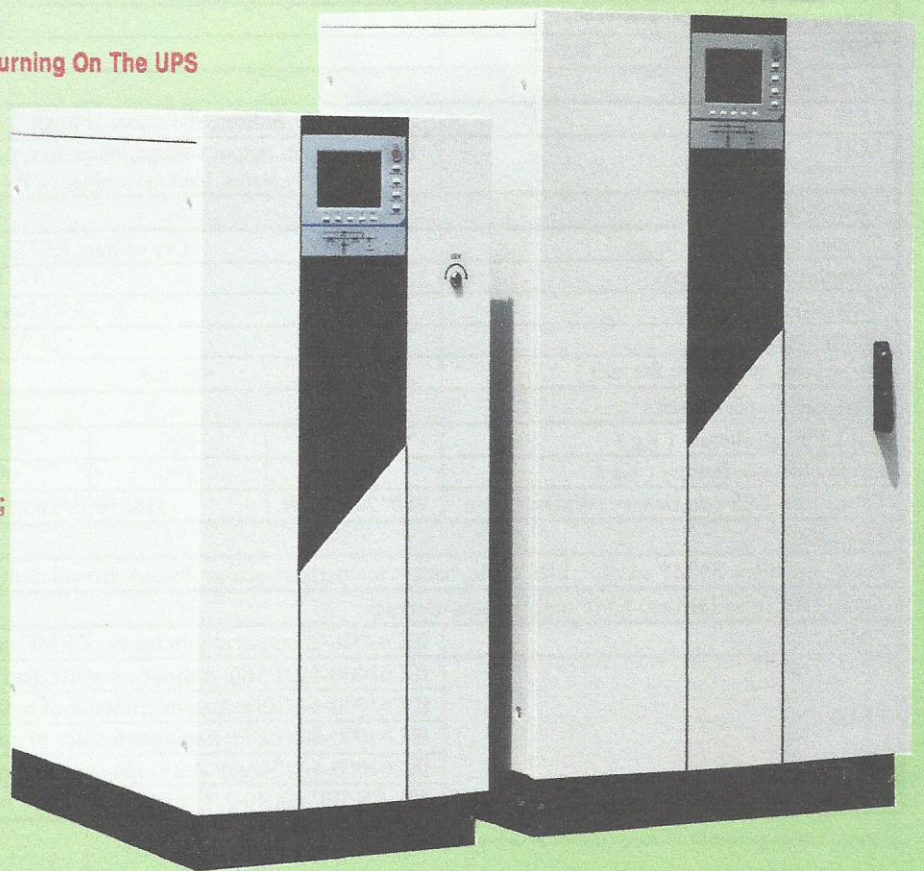


The Best Solution For Power System

FEATURES :

- High Output Power Factor Can Reach 0.9 (Lagging)
- Input Power Factor is 1.0 With The Filter
- Wide Input Voltage Range, 380VA \pm 25%
- Wide Input Frequency Range From 45 - 65 Hz
- Communication Ports Selectable : Smart RS-232 and Intelligent Slot for AS-400, and SNMP Card
- Compatible With The Generator, Special design Power Walk in Function Reduces The in-rush Current When System Starts
- The Multi-Protections Such as AC Input Under/Over Voltage, Overload, Short-Circuit, Over-Current, Over Bus Voltage, Over-Temperature, Fan Failure, Auxiliary Power Failure, Battery Under Voltage Over-Charge
- Optional Extended Backup Time
- Cold Start Function
- Auto Self-testing System While Turning On The UPS
- Maintenance Bypass Switch and DSP Technology
- Two-Step Intelligent Charging Mode
- N + X Parellel Redundancy and Capacity Expansion
- Standard Compliance :
 - IEC 61000-4-2 Immunity:
Electro Static Discharger (ESD);
 - IEC 61000-4-3 Immunity:
Electromagnetic Fields;
 - IEC 61000-4-4 Immunity:
Transient Over Voltage (BURST);
 - IEC 61000-4-5 Immunity:
Current Surges (Surge)
 - IEC 62010-2 Class B -
Uninterruptible Power Supply
System (UPS):
Performance Provisions and
a Test Procedure > 25A



Protect your computers and sensitive equipments from any electrical disturbance.

Technical Specification

Model	SIN10KEP	SIN20KEP	SIN30KEP	SIN40KEP	SIN60KEP
Capacity (VA)	10 kVA	20 kVA	30 kVA	40 kVA	60 Kva
Power Rating (W)	9 kW	18 kW	27 kW	36 kW	54 kW
Input					
Voltage range	(380Vac / 400Vac / 415Vac) ±25% three-phase				
Frequency range	50 / 60 Hz ±5Hz auto-sensing				
Power factor	> 0.8 (without filter)				
Rated current	15A	30A	45A	60A	90A
Output					
Voltage range	380Vac (or 400Vac / 415Vac) ±1%				
Frequency	Auto-sensing the input frequency				
Frequency regulation (battery mode)	50 Hz / 60Hz ±0.05%				
Output waveform	Sine wave				
Power factor	0.9 (lagging)				
Distortion	Linear load <3%, Non-linear <5%				
Overload capacity	When 110% / 125% / 150% overload, maintain 60min / 10min / 1min				
Crest factor	3 : 1 (max)				
Efficiency	88%	89%	90%	90%	91%
Transfer time					
Line mode → Battery mode	0 ms				
Bypass					
Rated voltage	380 / 400 / 415 Vac				
Bypass voltage range	Upper limit: +10%, +15%, +20% can be set Lower limit: -10%, -20%, -30%, -40% can be set				
Rated frequency	50 / 60 Hz (auto-sensing)				
Bypass frequency range	±2% (±10%, ±20% can be set)				
Transfer time to bypass	0 ms / 1 ms				
Overload capacity	15 times the rated current (10ms), 5 times the rated current (5s)				
Battery					
Battery voltage (VDC)	384				
Backup Time (min) External Battery	10				
Panel display					
LED	Indicate the status of input, inverter, bypass, battery, output				
LCD	Display input/ output voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, set parameters				
Environment					
Communication interface	Dry contact RS232, RS485, SNMP slot				
Operating temperature	0 ~ 40 °C				
Humidity	0 ~ 95% Non-condensing				
Storage temperature	-25 °C ~ 55 °C				
Noise (1m away from the unit)	<65 dB				<68 dB
Physical characteristics					
Net UPS w/o Battery (Kg)	217	273	316	330	485
Gross UPS w/o Battery (Kg)	272	328	371	385	553
Dimension UPS w/o Battery (WxDxH) mm	570*800*1220				800*740*1600
Options					
Harmonic filter, SNMP adapter, LBS cable, battery temperature sensor, battery ground fault detection, bypass current sharing inductor.					
Satisfy the international EMC safety requirements					
EMI	IEC62040-2: output requirements of EMC on UPS (>16A)				
EMS	IEC61000-4-2(ESD): Anti-electrostatic discharge				
	IEC61000-4-3(RS): Anti-interference of radiation				
	IEC61000-4-4(EFT): Anti-interference of power pulse				
	IEC61000-4-5(Surge): Anti-lightning/ surging				
Industry standard	CE, EN/IEC 62040-2, EN/IEC 62040-1-1				

Specifications are subject to change without prior notice

CONTACT PERSON :

Technical Specification

Model	SIN80KEP	SIN100KEP	SIN120KEP	SIN160KEP	SIN200KEP
Capacity (VA)	80 kVA	100 kVA	120 kVA	160 kVA	200 kVA
Power Rating (W)	72 kW	90 kW	108 kW	144 kW	180 kW
Input					
Voltage range	(380Vac / 400Vac / 415Vac) ±25% three-phase				
Frequency range	50 / 60 Hz ±5Hz auto-sensing				
Power factor	> 0.8 (without filter)				
Rated current	120A	150A	160A	240A	300A
Output					
Voltage range	380Vac (or 400Vac / 415Vac) ±1%				
Frequency	Auto-sensing the input frequency				
Frequency regulation (battery mode)	50 Hz / 60Hz ±0.05%				
Output waveform	Sine wave				
Power factor	0.9 (lag)				
Distortion	Linear load <3%, Non-linear <5%				
Overload capacity	When 110% / 125% / 150% overload, maintain 60min / 10min / 1min				
Crest factor	3 : 1 (max)				
Efficiency	91%	91%	91.5%	91.5%	92%
Transfer time					
Line mode → Battery mode	0 ms				
Bypass					
Rated voltage	380 / 400 / 415 Vac				
Bypass voltage range	Upper limit: +10%, +15%, +20% can be set Lower limit: -10%, -20%, -30%, -40% can be set				
Rated frequency	50 / 60 Hz (auto-sensing)				
Bypass frequency range	±2% (±10%, ±20% can be set)				
Transfer time to bypass	0 ms / 1 ms				
Overload capacity	15 times the rated current (10ms), 5 times the rated current (5s)				
Battery					
Battery voltage (VDC)	384				
Back up Time (min) External Battery	10				
Panel display					
LED	Indicate the status of input, inverter, bypass, battery, output				
LCD	Display input/ output voltage, frequency, power, power factor, battery voltage, current, battery status, load percentage, UPS status, history record, set parameters				
Environment					
Communication interface	Dry contact RS232, RS485, SNMP slot				
Operating temperature	0 ~ 40 °C				
Humidity	0 ~ 95% Non-condensing				
Storage temperature	-25 °C ~ 55 °C				
Noise (1m away from the unit)	<68 dB		<72 dB		
Physical characteristics					
Net UPS w/o Battery (Kg)	525	800	903	1219	1425
Gross UPS w/o Battery (Kg)	595	890	993	1349	1555
Dimension UPS w/o Battery (WxDxH) mm	880*760*1600	1160*805*1600		1400*945*1900	
Options					
Harmonic filter, SNMP adapter, LBS cable, battery temperature sensor, battery ground fault detection, bypass current sharing inductor.					
Satisfy the international EMC safety requirements					
EMI	IEC62040-2: output requirements of EMC on UPS (>16A)				
EMS	IEC61000-4-2(ESD): Anti-electrostatic discharge				
	IEC61000-4-3(RS): Anti-interference of radiation				
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