

ICA[®]

Uninterruptible Power Supply

ISO 9001
BUREAU VERITAS
Certification
No. 212965

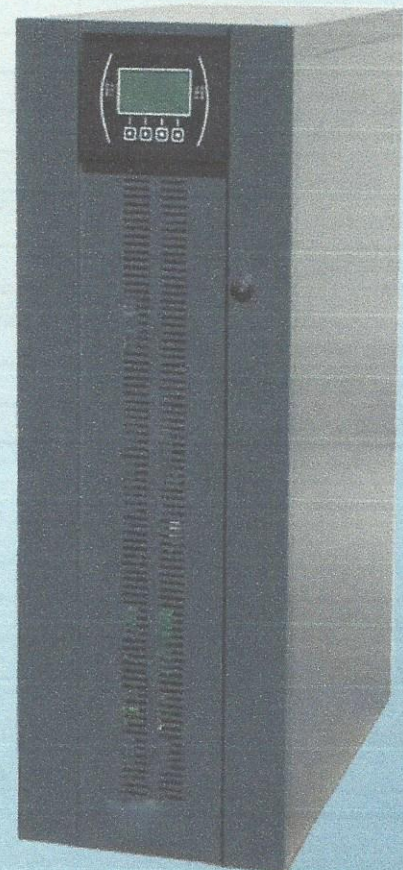


The Best Solution For Power System

FEATURES :

SR SERIES

- **Reliable, filtered, stabilised and regulated sinewave output** (double on-line conversion technology VFI according to EN50091-3 specifications) with filters for atmospheric disturbance suppression
- **High reliability** : IGBT technology in rectifier and inverter, high frequency PWM, transformerless, fully digital control with microprocessor, no break static and manual transferring
- **Cleaned source** : power factor correction for unitary power factor and very low input THDI%
- **First class in efficiency** : high operation efficiency up to 96,5% in normal mode, up to 99% in eco mode operation
- **Low noise levels** : the high frequency PWM for rectifier and inverter allows very low audible noise
- **Flexibility** : SR Series can be set for several configuration as normal mode, smart mode and stand by off
- **Maximum reliability** : SR Series can work in parallel up to 6 units. The UPS continues to operate in parallel even if one of the communication cables is disconnected
- **Battery care system** : SR Series is suitable for use with sealed VRLA, AGM, GEL or open vented lead acid batteries, Ni-Cd batteries
- **Temperature voltage compensation**
- **Deep discharging controlled by microprocessor** with load and main levels (sharing power mode suitable within -40% Vin)
- **High power availability** : the output factor 0,9 providing up to 15% more active power than a traditional UPS and more load expansion
- **Low management cost** : the transformer less technology allows the lowest footprint in this category. The SR Series design allows front, top, and sides access



Protect your computers and sensitive equipments from any electrical disturbance.

Technical Specification

| MODELS | SIN10K3-3 | SIN15K3-3 | SIN20K3-3 | SIN30K3-3 | SIN40K3-3 |
|---|---|----------------------|----------------------|----------------------|----------------------|
| INPUT | | | | | |
| Rated voltage | 380-400-415 Vac three-phase with Neutral | | | | |
| Voltage tolerance | 240V – 480V (3 Phase) | | | | |
| Rated frequency | 50/60 Hz | | | | |
| Frequency tolerance | 40 : 72 Hz | | | | |
| Power factor at full load | 0.99 | | | | |
| Current distortion at full load | ≤ 3% | | | | |
| BYPASS | | | | | |
| Rated voltage | 380-400-415 Vac three-phase with Neutral | | | | |
| Number of phases | 3 phase + N | | | | |
| Voltage tolerance | 180 + 264 V (selectable) | | | | |
| Rated frequency | 50/60 Hz (selectable) | | | | |
| Frequency tolerance | ± 5% (selectable) | | | | |
| Frequency stability on battery mode | ± 0.01% | | | | |
| Overload at pf 0.8 | 115% infinite; 125% for 10 mins; 150% for 60 secs; 168% for 5 secs | | | | |
| OUTPUT | | | | | |
| Rated power (kVA) | 10 | 15 | 20 | 30 | 40 |
| Rated power (kW) | 9 | 13,5 | 18 | 27 | 36 |
| Output power factor | 0.9 | | | | |
| Number of phases | 3 phase + N | | | | |
| Rated voltage (V) | 380-400-415 Vac (selectable) | | | | |
| Static variation | ± 1% | | | | |
| Dynamic variation | ± 3%, EN62040-3 class performance 1 distorting load | | | | |
| Crest factor (I _{peak} /I _{rms}) | 3 : 1 | | | | |
| Voltage Distortion | ≤ 1% with linear load / ≤ 3% with non linier load | | | | |
| Frequency | 50/60 Hz | | | | |
| Frequency Stability on Battery Mode | 0,01% | | | | |
| Overload at pf 0,8 | 110% for 10 minutes ; 133% for 1 minute ; 150% for 5 seconds | | | | |
| BATTERIES | | | | | |
| Internal Battery | 1 x 40 x 12V, 7AH | 1 x 40 x 12V, 7AH | 2 x 40 x 12V, 7AH | 2 x 40 x 12V, 7AH | 2 x 40 x 12V, 9AH |
| Backup Time (minutes) | 10 | 7 | 10 | 7 | 7 |
| ENVIRONMENTAL | | | | | |
| Weight with internal batteries (Kg) | 205 | 215 | 320 | 335 | 365 |
| Dimensions (D x W x H) (mm) | 850 x 440 x 1320 | | | | |
| Communications (Option) | DOUBLE RS232/C – SNMP Agent – MODBUS – PROFIBUS | | | | |
| Operating temperature | 0 °C – 40 °C | | | | |
| Relative humidity | 90% non condensing | | | | |
| Colour | Dark Grey RAL 7016 | | | | |
| Noise | ≤ 48 | ≤ 52 | | ≤ 48 | |
| Protection rating | IP20 | | | | |
| Efficiency Smart Mode | Up to 99% | | | | |
| Compliance | European Directives: L V 2006/95/CE Low voltage directive EMC 2004/108/EC Electromagnetic compatibility directive Standards: Safety IEC EN 62040-1; EMC IEC EN 62040-2 C2 Classification according to IEC 62040-3 (Voltage Frequency Independent) VF1 – SS - 111 | | | | |

Specifications are subject to change without prior notice

CONTACT PERSON :