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Online UPS 1Phase Out

SDS Series
3KVA-10KVA



Control Panel



S-Power Double Conversion on-line design, which makes the output a pure sine wave source which tracking frequency, phase-lock and voltage regulation, noise suppression, and without power fluctuation interface, providing the load with more comprehensive protection. And IP20 Cabinet. Zero transfer time of output, satisfies high standard power requirements of precision equipment. Modular design and dual-CPU control, high reliability and stability ensure the safe operation and high efficiency.

FEATURES

- 16 Bit DSP Controller
- Inbuilt Isolation Transformer
- Inbuilt Static Switch
- Inbuilt Manual Changeover Switch
- 100% Unbalance Load
- Output Voltage Regulation <1%
- Rectifire Current Limit Function



Technical Specification

| Model | SDS 1103L8 | SDS 1105L10/L15/L16 | SDS 1106L10/L15/L16 | SDS 1108L10/L15/L16 | SDS 1110L16 | SDS 3110L16 | |
|------------------------------|---|---------------------|---------------------|---------------------|-------------|-----------------|--|
| System Rating kVA | 3KVA | 5KVA | 6KVA | 8KVA | 10KVA | 10KVA | |
| Mains Input | | | | | | | |
| Input Supply Phases | 1 Phase 2 Wire | | | | | 3 Phase 4 Wire | |
| Nominal Voltage & Range | 220V/230V(+15%,-15%) | | | | | 415V(+15%,-15%) | |
| Grid Frequency Range | 50 Hz +/- 10% | | | | | 50 Hz +/- 10% | |
| Battery | | | | | | | |
| Voltage | 96V | 120/180/192V | 120/180/192V | 120/180/192V | 192V | 192V | |
| Max Battery Charging Current | 1Amp-10Amp Load Adjustable | | | | | | |
| Inverter | | | | | | | |
| Switching Device | IGBT | | | | | | |
| Control | 16-Bit DSP Controlled | | | | | | |
| Output Waveform | Pure Sinewave | | | | | | |
| Nominal Output Voltage | 220V/230V/240V AC (L-N) 1-Phase | | | | | | |
| Output Voltage Regulation | <=1% | | | | | | |
| OverLoad Capacity | 101-125% for 10 minutes, 125-150% for 1 minute, 150-200% for 30 sec, >200% for 60mSec, | | | | | | |
| Output Supply | 1 Phase 2 Wire | | | | | | |
| Power Factor | 0.8 | | | | | | |
| Output Frequency | 50Hz +/- 1% | | | | | | |
| Voltage Regulation | <3% | | | | | | |
| Crest Factor | 3 : 1 | | | | | | |
| Cooling | Forced Air Cooled | | | | | | |
| Colour | Black matte | | | | | | |
| Protection degree | IP-20 | | | | | | |
| Communication | RS 232 / Bluetooth / GPRS Based Remote Monitoring (Optional) | | | | | | |
| Galvanic Isolation | Inbuilt Isolation Transformer | | | | | | |
| Protections | | | | | | | |
| | 1. Output Over/Under Voltage | | | | | | |
| | 2. Battery Over/Under Voltage | | | | | | |
| | 3. Output Overload | | | | | | |
| | 4. Output Short Circuit | | | | | | |
| | 5. Input Over/Under Voltage | | | | | | |
| | 6. Over Temperature | | | | | | |
| Display | | | | | | | |
| | Output - Voltage,Current,Load % | | | | | | |
| | Grid - Voltage | | | | | | |
| | Battery - Voltage , Current, Capacity | | | | | | |
| | Inverter Heatsink Temperature | | | | | | |
| | Load On : Inverter/ Bypass | | | | | | |
| LED Indications | | | | | | | |
| | 1. Grid On | | | | | | |
| | 2. UPS On | | | | | | |
| | 3. Battery On | | | | | | |
| | 4. Load On | | | | | | |
| | 5. Load on Bypass | | | | | | |
| | 6. Battery Low | | | | | | |
| Environment | | | | | | | |
| Operating Temperature | 0 - 45°C | | | | | | |
| Relative Humidity | Upto 95 | | | | | | |
| Altitude | < 1000m No Derating | | | | | | |
| Dimensions (LxWxH) in mm | 500X325X500 | 600X350X600 | 600X350X600 | 700X450X800 | 700X450X800 | 700X450X800 | |
| Weight Kg. | 38Kg | 47Kg | 55Kg | 69Kg | 90Kg | 105Kg | |

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