

True On-Line Sine Wave Uninterruptible Power Supply

True On-Line system with highest technology

Pure sine wave, very low distortion

High efficiency Uninterrupted and stable output

Fully reliable protection and alarm system

New modern design suitable for office use



Features

Highest Technology

- True On-Line Double Conversion System
- 20 KHz Full Bridge PWM Inverter
- Constant Voltage & Current Limit
- Static Transfer Switch (make before break)
- Sealed Lead Acid Maintenance Free Battery

Uninterrupted and Stable Output

- Pure Sine Wave, Very Low Distortion
- High Efficiency
- Stable Voltage Output
- Synchronize to Line

Full Reliable Protection and Alarm System

- Input and Output Protection
- Overload and Short Circuit Protection
- Battery Circuit Breaker Protection
- Battery and Load Level Indicators
- Manual Bypass Switch type make before break^①
- Interface Port for Unattended Shutdown (RS-232)

Suitable for Office Use

- Compact Size and Quiet Operation
- With Casters for Mobility

Safety Standard Design

- Low HF Feed-Back and Smooth Starting
- Surge Protection (IEC 1000-4-5, UL 1449)
- EMI/RFI Interface (VDE, EN 55022)
- Separated Battery Charger
- Isolated Battery Service
- Isolating Transformer^②
- Can Use with Generator
- Design and Manufactured Following IEC, EN
- Manufacture by ISO 9001 Certified Factory

① Option for Model SD-050-200
Standard for Model SD-300 Up
② Option All Model

Intelligent Power Management Module (IPM) Features

Built-in 8 Bits Microprocessor Serial Interface
Port for Various Management & Monitoring Software

- Via PowView Software
- Via Hyper Terminal
- Other (Asynchronous Communication

LED & LCD Display with Key Pad
Utility & UPS Status

- Input Voltage
- UPS Output Voltage & Frequency
- UPS Output Percentage of Load Usage
- Battery Status, Voltage & Temperature
- Automatic Battery Life Time Checking
- UPS Operation Mode
- UPS Information
- UPS Alarm Events with Help Messages

Safe Shutdown System

- Automatic System and UPS Shutdown
- Automatic System Reboot After Power Returns
- Admin./User Broadcast of Power Event

Environment & Power Monitoring

- Real-time Graphical Display of Power
 - Environment Monitoring
 - Power Quality Data Log
- Remote UPS Management
- Remote Management via a Workstation
 - Customizing-Configurable UPS Parameters
 - Scheduled System Shutdown & Reboot
 - Remote management via modem

UPS Testing and Status

- Real-time Graphical Display of UPS Status
- Battery Remain Time
- Scheduled UPS Self-tests
- UPS Power Event Log

UPS Management & Diagnostic

- UPS Self Test
- Scheduled UPS Shutdown & Restore
- UPS Alarm Event Checking
- Automatic save application when windows shutdown by PowView
- Send e-mail when UPS alarm
- Send Short message (SMS) when UPS alarm (Option)

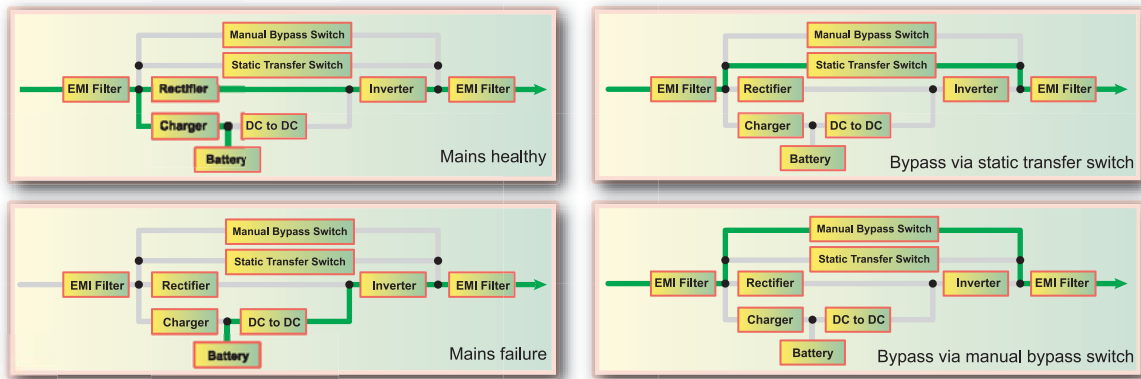
Requirements

- SYNDOME UPS SD-Series with Standard or Intelligent Signal
- Microsoft. Windows Compatible
- Microsoft. WindowsNT Compatible

PowView®
Microsoft. Windows Compatible
Microsoft. WindowsNT Compatible

① Option for Model SD-050-100
Standard for Model SD-200 Up

System Block Diagram



Technical Specifications

Model		SD-100	SD-200	SD-300	SD-500	SD-600	SD-750	SD-1000
Rated power (at p.f.=0.8)		1KVA/800W	2KVA/1.6KW	3KVA/2.4KW	5KVA/4KW	6KVA/4.8KW	7.5KVA/6KW	10KVA/8KW
Input	Voltage	220Vac ^①						
	Voltage tolerance	± 25%						
	Frequency	50 Hz ± 6% ^②						
	Phase	Single (2 Wire + Earth)						
Output	Voltage	220Vac						
	Voltage regulation	±1%						
	Frequency	50 Hz ± 0.1%						
	Phase	Single (2Wire + Earth)						
	Waveform	Pure Sine Wave						
	Transient condition	≤4% for 100% instaneous load variation						
	Harmonic distortion	Less than 3% at 100% linear load ^③						
	Efficiency (full load) AC to AC	≥85%						
	Crest factor	3 : 1						
	Load power factor	0.8						
	Overload capacity	150% for 30 seconds						
Battery	Type	Sealed lead acid maintenance free						
	Backup time (full load) minute	16	13	11	6	4	9	4
	Backup Expansion	As required						
	Recharge time	6-8 hours to 90% after fully discharged						
	Battery completely discharged	Auto cut-off inverter (auto restart when line restore)						
Transfer time	Mains fail or recover	Zero						
	UPS to bypass or vice versa	Uninterrupted transfer at full load						
	UPS fault	Automatic transfer to bypass						
	Overload auto-restart	20 seconds						
Indicators	Utility and UPS Status	LCD Display with keypad and LED						
	Two levels	Load and Battery capacity level						
Communication Interface	DB-9 connector (software required)	Sereal interface port can be connected to work stations or servers which provides the security of automatic, unattended shutdown for all major operating systems.						
Audible alarm	Battery discharge	Sounding every four seconds after main fails at alarm reset						
	Fault	Sounding once every seconds as battery approaches final discharge Continuous						
Accoustics noise	At one meter	<40dBA			<45dBA		<50dBA	
Environment	Temperature	0 °C to 40 °C						
	Humidity	<90% (non -condensing)						
Dimension Size	Size (hwxwd,mm)	450x220x560	560x240x630	630x240x680	800x330x680		930x400x680	
	Weight (kgs)	65	95	110	150	165	185	350

SYNDOME

POWER PROTECTION SOLUTION

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① Option 3 Phase 380 VAC ±25% for Model SD-750 Up
② Option ±10%for All Model
③ Option ≤2% at 100% linearload all model
Specifications are subject to change without prior notice

