

Internal Series UPS 425VA (255W), SI-425 / SI-425U

General Features:

- Adjustable Rated voltage, Voltage-transfer points, Green mode, Low battery shut-down level, & Over load level, etc.
- Audible alarm & Cold-start available.
- Automatic restart of loads after UPS shutdown.
- Generator compatible.
- Smart battery management with thermal compensation.
- Intelligent double stages charging control
- Support DB9 (optional), RS232 & USB interface
- Compatible with all major OS, including Windows, Linux, etc.
- Suitable for use with PFC type of SPS
- Universal input (90~260Vac) for SI-425U



Output

	115V Model SI-425	230V Model SI-425	SI-425U
Power Levels (at nominal inputs)	425VA, 255W		
Output Voltage (at battery mode)	100V/110V/115V/120V Selectable	200V/220V/230V/240V Selectable	120Vac
Voltage Waveform	Simulated Sine wave		
Output Frequency (sync to mains)	Auto Select for 50/60Hz 45Hz ~ 55Hz for 50Hz nominal 56Hz ~ 65Hz for 60Hz nominal		
Regulation (Battery mode)	±5% of selected output voltage. (adjustable by using the setting software)		
Transfer time	6mS typical		
Over current protection	Over load alarm level 100% ~ 120%. (adjustable by using the setting software) Over load shutdown level 120% ~ 190%. (adjustable by using the setting software)		

Input

	115V Model SI-425	230V Model SI-425	SI-425U
Nominal Voltage	100V/110V/115V/120V Selectable	200V/220V/230V/240V Selectable	100V/110V/---/230V/240V
Input Frequency	45Hz ~ 65Hz, 50/60Hz auto-sensing		
Efficiency	98% (Normal mode)		
Noise Filtering	Full time EMI/RFI filtering		
Over current protection	AC fuse		

Voltage Range	-15% ~ +15% for selected nominal voltage. (Adjustable by using the setting software)	90Vac~265Vac
Surge Protection	108 Joules	220 Joules

Battery

Battery type	Maintenance-free sealed, valve-regulated, Lead-Acid 6V/9Ah
Typical backup time at half-load	7.5 minutes
Typical backup time at 80% of full load	3.5 minutes
Charging method	Smart pulse charging with two charging modes. Quick charging when battery is not fully charged, trickle charging when battery is 90% fully charged.
Charging time	8 hours to 90% at normal line and normal temperature.
Average charging current	0.6A
Average charging voltage	6.85V.
Protection	Over current protection. Over charging voltage protection. Thermal protection. (CPU control)
Monitoring	Smart monitoring for failed battery or battery open circuit, real time detection and warning.

Communications & Management

Interface Port (By order)	DB-9 (dry contact) for RUPS software ; or RS-232 + USB for UPSilon software.
Control panel	LED
Audible alarm	On battery alarm: Low battery alarm, Over load alarm, Short-circuit alarm, Thermal alarm.
Green mode function (Auto-shutdown during blackout)	1% to 14% of full load (adjustable by using the setting software) The default setting is 6%(20W typical)

Environmental and Safety

Operating Temperature	Up to 1500 meters: 0 to 40 (32 to 104)
Transit/storage Temperature	-15 to 55 (5 to 131)
Relative Humidity	5 - 95% non condensing
Operating Altitude	0 ~ 3000 meters
Audible noise at 1 M from surface of unit	35 dBA
Safety Markings	CE
EMC	Class B, EN50091-2, FCC part15 IEC1000-2-2
Quality control standard	ISO9001

Physical

Dimension DxWxH (cm)	192 x 144 x 40 (mm)
Net Weight	3.5 (kgs)
Packing	Color box for each unit, 5 pcs in one export carton, and 120~140 units per pallet.