Smart Internal UPS Series, SI-350 / 400 / 401 / 402

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 (standard), optional for RS232 & USB interface
- Compatible with all major OS, including Windows, Linux, etc.

TÜV
MANAGEMENT SERVICE
ISO 9001

SOLTEC

INTERNAL SERIES UPS , SI SERIES

Model :	SI-400	SI-401	SI-402	SI-425	SI-425U
Output					
Power Levels (at nominal inputs)	400VA / 240W			425VA / 255W	
Output Voltage	100V / 110V / 115V / 120V or 200V / 220V / 230V / 240V Selectable				120Vac
Voltage Waveform	Simulated Sine Wave				
Output Frequency (sync to mains)	Auto Selected 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				
Input					
Norminal Voltage	100V / 110V / 115V / 120V or 200V / 220V / 230V / 240V Selectable				100V / 110V /…/ 230V/240V
Input Frequency	45Hz ~ 65Hz, 50 / 60Hz auto~sensing.				
Efficiency	98% (Normal mode)				
Nois 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)				95Vac~260Vac
Surge Protection	108 / 220 Joules				
Battery					
Battery type	SLA :6V / 3Ah x 2	Li-polymer battery 12.8V / 1800mAh x 1	Li-polymer battery 12.8V / 1800mAh x 2	SLA 6V / 9Ah x 1	
Charging method	Smart pulse charging with two charging modes. Quick charging when battery is not fully chatged, trickle charging when battery is 90% fully charged.				
Charging time	8 hours to 90% at normal line and normal temperature.				
Average charging current	0.3A			0.6A	
Average charging voltage	13.6V	15.4V	15.4V	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 (Standard / Optional)	Standard DB-9 (dry contact) for RUPS software; Optional RS-233 or USB with UPSilon software.			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-shutdouwm during blackout)	1% to 14% of full load (adjustable by using the setting software) The default setting is 7% (20W typical)			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 menters: 0˚C to 40˚C (32˚f to 104˚F)				
Transit/storage Temperature	-15˚C to 55˚C (5˚F to 131˚F)				
Relative Humidity	5 - 95% non condensing				
Operating Altitude	0 ~ 3000 meters				
Audible noise at 1 m from surface	≤ 35 dBA				
Safety Markings	CE				
EMC	Class B, EN62040-2, IEC 61000, FCC part15, IEC1000-2-2.				
Quality control standard	ISO 9001				
Physical					
Dimension: D x W x H (mm)	242 x 144 x 40 (mm)	192 x 144 x 40 (mm)		192 x 144 x 40 (mm)	
Net Weight (kg)	3.0 / 3.5 kg.	2.0 / 2.5 kg.	2.5 / 3.0 kg.	3.5 kg.	

STD 13.02.2013