



### Description & Features

SIHD24025-01B is an uninterruptible PSU, its main output is 27.6V / 2.5A, while it also provides constant 0.35A charge current. It could be used for CCTV Surveillance / Access Control / Fire Alarm and other security systems.

- High efficiency up to 85%, long life and high reliability
- Protection: input fuse / overload / over voltage / short circuit
- Universal AC input
- Multifunction LED indicators
- No delay battery boot up
- 100% full load burn-it test
- Metal box with key-lock, wall mount installation
- Withstand 5G vibration test



### SPECIFICATION

<b>INPUT</b>	<b>Voltage Range</b>	190 - 265VAC	
	<b>Frequency Range</b>	50 - 60Hz	
<b>OUTPUT</b>	<b>Voltage (AC Mode)</b>	27.6V ±2%	
	<b>Voltage (Battery Mode)</b>	Same as battery voltage	
	<b>Rated Current</b>	2.5A	
	<b>Rated Power (Max.)</b>	80W (with 400mA charge current)	
	<b>Efficiency (Typ.)</b>	>85%	
	<b>Ripple &amp; Noise</b>	<240mVp-p	
	<b>Output Channel</b>	1 channel	
<b>CHARGING</b>	<b>Voltage</b>	27.6V ±2%	
	<b>Current</b>	400mA Max	
<b>PROTECTION</b>	<b>Input</b>	2A / 250VAC fuse	
	<b>Overload</b>	3A ±5%, Hiccup mode, recovers automatically after fault condition is removed.	
	<b>Over Voltage</b>	30V ±5%, Hiccup mode, recovers automatically after fault condition is removed.	
	<b>Short Circuit</b>	Hiccup mode, recovers automatically after fault condition is removed.	
	<b>Battery Low Voltage</b>	21V ±2%, PSU shuts down until AC power recovers.	
	<b>Battery Reverse Connect</b>	Battery not works, no effect on main output.	
<b>ENVIRONMENT</b>	<b>Temperature</b>	Working: -20 - 50°C	Storage: -30 - 80°C
	<b>Humidity</b>	Working: 20 - 80%RH	Storage: 10 - 90%RH
<b>LED INDICATOR</b>	<b>Red</b>	On	AC power is on
	<b>Green</b>	On	DC output is on
	<b>Yellow</b>	On	Battery is fully charged
Flickering		Battery is charging	
<b>SAFETY &amp; EMC</b>	<b>EMC Standards</b>	EN 55022: 2010, EN 55024: 2010, EN 61000-3-2: 2014, EN 61000-3-3: 2013	
	<b>LVD Standards</b>	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013	
<b>METAL BOX &amp; PACKING</b>	<b>Metal Box</b>	265 x 195 x 75mm, fits for 2 pcs 12V 5Ah batteries.	
	<b>Packing</b>	42.5 x 39.5 x 30cm / CTN, 16kg / CTN, 10pcs / CTN	