



Description & Features

SIHD1220-16CB is an uninterruptible PSU with 16 output channels, its main output is 13.6V / 20A, while it also provides maximum 2A 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
- 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
- 2 years warranty



SPECIFICATION

INPUT	Voltage Range	190 - 240VAC		
	Frequency Range	50 - 60Hz		
OUTPUT	Voltage (AC Mode)	13.6V ±2%		
	Voltage (Battery Mode)	Same as battery voltage		
	Rated Current	20A		
	Rated Power (Max.)	299.2W (with 2A charge current)		
	Efficiency (Typ.)	>85%		
	Ripple & Noise	<120mVp-p		
	Output Channel	16 channels with 1.5A glass fuse per channel.		
	CHARGING	Voltage	13.6V ±2%	
Current		2A (max.)	Constant voltage mode, charge current decreases when battery voltage increases.	
PROTECTION	Input	6A / 250VAC fuse		
	Overload	22A ±5%	Hiccup mode, recovers automatically after fault condition is removed.	
		Over Voltage	16V ±5%	Hiccup mode, recovers automatically after fault condition is removed.
	Short Circuit	Hiccup mode, recovers automatically after fault condition is removed.		
	Battery Low Voltage	10V ±2%	PSU shuts down until AC power recovers.	
		Battery Reverse Connect	Battery not works, no effect on main output.	
ENVIRONMENT	Temperature	Working: -20 - 50°C	Storage: -30 - 80°C	
	Humidity	Working: 20 - 80%RH	Storage: 10 - 90%RH	
LED INDICATOR	Red	On	AC power is on	
	Green	On	DC output is on	
	Yellow	On	Battery is discharging / fully charged / no battery	
		Flickering	Battery is charging	
	Red	On	AC failure alarm	
	Red	On	Battery low voltage (<11V) alarm	
SAFETY & EMC	EMC Standards	EN 55022: 2010, EN 55024: 2010, EN 61000-3-2: 2014, EN 61000-3-3: 2013		
	LVD Standards	EN 60950-1: 2006 + A11: 2009 + A1: 2010 + A12: 2011 + A2: 2013		
METAL BOX & PACKING	Metal Box	395 x 285 x 165mm, fits for 1 pc 12V 55Ah battery.		
	Packing	51 x 31 x 32.5cm / CTN, 19kg / CTN, 3pcs / CTN		