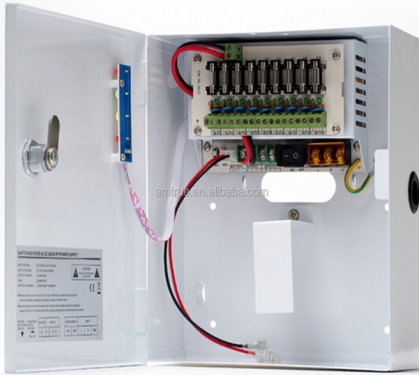


# F-1220D

## BOX TYPE BACK-UP (UPS) POWER SUPPLY



### Product Features

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

### Description

F-1220D is a back-up (UPS) box power supply unit with 13.8V/20A DC output, 2A charge current.

### Technical Specifications

Model		F-1220D
INPUT	Voltage Range	190 - 265VAC
	Frequency Range	50 - 60Hz
OUTPUT	Voltage (AC Mode)	13.8V $\pm$ 2%
	Voltage (Battery Mode)	Same as battery voltage
	Rated Current	20A
	Rated Power (Max.)	303W (with 1A charging current)
	Efficiency (Typ.)	>85%
	Ripple & Noise	<120mVp-p
	Output Channel	16 Channels
CHARGING	Voltage	13.8V $\pm$ 2%
	Current	2A (max.)
PROTECTION	Input	6.3A / 250VAC fuse
	Overload	23A $\pm$ 5%, Hiccup mode, recovers automatically after fault condition is removed.
	Overvoltage	16V $\pm$ 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 $\pm$ 2%, PSU shuts down until AC power recovers.
Battery Reverse Connect	Battery not works, no effect on main output.	
ENVIRONMENT	Temperature	Working: -20°C~50°C, Storage: -30°C~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
BOX	Default Metal Box(mm)	395 x 285 x 165, fits for 2units12V/7Ah battery (Battery Excluded).