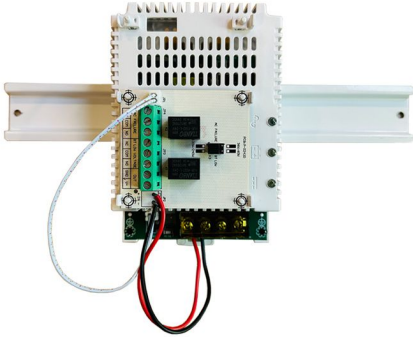


# F-1205BD

## DIN RAIL BACK-UP (UPS) POWER SUPPLY WITH RELAY ALARM



### Product Features

- High efficiency, long life and high reliability.
- Protection: Overload/over voltage/short circuit/battery deep discharge.
- Additional charge current, no delay battery boots up.
- Multi-function LED indicators.
- 100% full load burn-it test.
- Screw fixation or industrial rail mounting.

### Description

F-1205BD is a plastic case back-up (UPS) din rail power supply unit with main DC output 13.8V/5A and maximum charging current 650mA.

### Technical Specification

Model	F-1205BD	
INPUT	Voltage Range	190 - 265VAC
	Frequency Range	50 - 60Hz
	Efficiency (Typ.)	>88%
OUTPUT	Voltage (AC Mode)	13.8V
	Voltage (Battery Mode)	Same as battery voltage
	Rated Current	5A
	Rated Power (Max.)	78W (with charging)
	Ripple & Noise	<100mVp-p
	Line & Load Regulation	±2%
	Output Channel	1 Channel
CHARGING	Voltage	13.8V
	Current	650mA (max.) - Constant voltage mode, charge current decreases when battery voltage increases
PROTECTION	Overload	5.75A ±5% Hiccup, recovers automatically after fault condition is removed
	Over Voltage	16V ±5% Hiccup, recovers automatically after fault condition is removed
	Short Circuit	Hiccup, recovers automatically after fault condition is removed
	Battery Deep Discharge	10V ±2%, PSU shuts down until AC power recovers
	Battery Reverse Connect	Battery does not work
ENVIRONMENT	Temperature	Working: -20°C~50°C, Storage: -30°C~80°C
	Humidity	Working: 20-80%RH, Storage: 10-90%RH
LED INDICATOR	AC Power (Red)	ON - AC supplies
	Battery (Yellow)	ON - Fully charged, OFF - Discharging, Flickering - Charging
	DC Output (Green)	ON - DC output works perfect
BOX	Dimension (mm)	135 x 92 x 42

### Relay Alarm

#### ALARM 1

- NO-COM → ON (When AC power is ON).  
NC-COM → ON (When AC power is OFF).

#### ALARM 2

- NO-COM → ON (When battery voltage >11V).  
NC-COM → ON (When 10V <battery voltage <11V).