

Power

for your cable and communications systems...

Solutions

FYGD-MSC Series Non-standby Power Supply



- **Master / Slave Backup Function**
- Constant voltage ferroresonant transformer
- Fully regulated, clean and reliable output AC power
- Input and output protection, lightning surge protection
- Current limited output and short-circuit protection
- Automatic restart upon removal of short
- Powder coated enclosure for outdoor applications
- Pole & wall mount installations
- 5/8" female output connection
- Easy reading ammeter
- Durable multifunction LED display
- Time Relay Delay (TDR)

Compared with traditional non-standby power supply, one of **key advantages** of FYGD-MSC SERIES is **Master / Slave Backup Function**. Two FYGD-MSC SERIES power supplies can form a small group and work together to provide the loads with conditioned power in turn. In the event that one of them fails to operate normally, another unit will switch into operation mode automatically and then feed the loads of power. From certain aspects, it works like UPS but no any battery is needed. The most important is it's **more rugged and more cost-effective**.



Similar products (from L to R): FYGD-C, FYGD-F and FYGD-E.

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www.fydq.com.cn

FYGD-MSC Series Non-standby Power Supply

Nominal Specifications

Model ¹	Input voltage (VAC) ²	Input frequency (Hz)	Input fuse protection (A)	Output voltage (VAC)	Output current (A)	Output power (VA)	Net Weight (kg/lbs)
FYGD-MSC60-8A-W	220 or 240	50	8	60	8	480	12/26.5
FYGD-MSC60-8A-L	120 or 220	60	8	60	8	480	12/26.5
FYGD-MSC90-8A-L	120 or 220	60	8	90	8	720	16/35.3
FYGD-MSC60-10A-W	220 or 240	50	8	60	10	600	14/30.9
FYGD-MSC60-10A-L	120 or 220	60	8	60	10	600	14/30.9
FYGD-MSC90-10A-L	120 or 220	60	8	90	10	900	17/37.5
FYGD-MSC60-15A-W	220 or 240	50	8	60	15	900	17/37.5
FYGD-MSC60-15A-L	120 or 220	60	8	60	15	900	17/37.5
FYGD-MSC90-15A-L	120 or 220	60	10	90	15	1350	21/46.3

1. Please see Ordering Information in next page for details about the model definition.
2. Input voltages of 100VAC 60Hz, 110VAC 60Hz, 115VAC 60Hz, 120VAC 60Hz, 220VAC 60Hz, 230VAC 50Hz and 240VAC 50Hz are available also. Please contact us directly for details.
3. Both input voltage and output voltage can be customized. Please contact us for details.

General Specifications

Input

Voltage range	-20% to 15%
Power factor	>0.90 at full load

Output

Voltage regulation	5%
Waveform	Quasi-square wave
Protection	Current limited
Short circuit current	150% of max. current rating
Efficiency	≥90%

Initialization	Typical 10 seconds
Switching time	Typical 15 seconds (<i>from Master to Slave and vice versa</i>)

Mechanical

Input connection	Terminal block
Output connections	5/8" female or terminal block
Finish	Power coated
Material	Aluminum
Dimensions	335x217x190mm 13.2"x8.5"x7.5"

Environmental

Operating temperature	-40°C to 55°C / -40°F to 131°F
Operating humidity	0 to 95% non-condensing



Multifunction LED Display

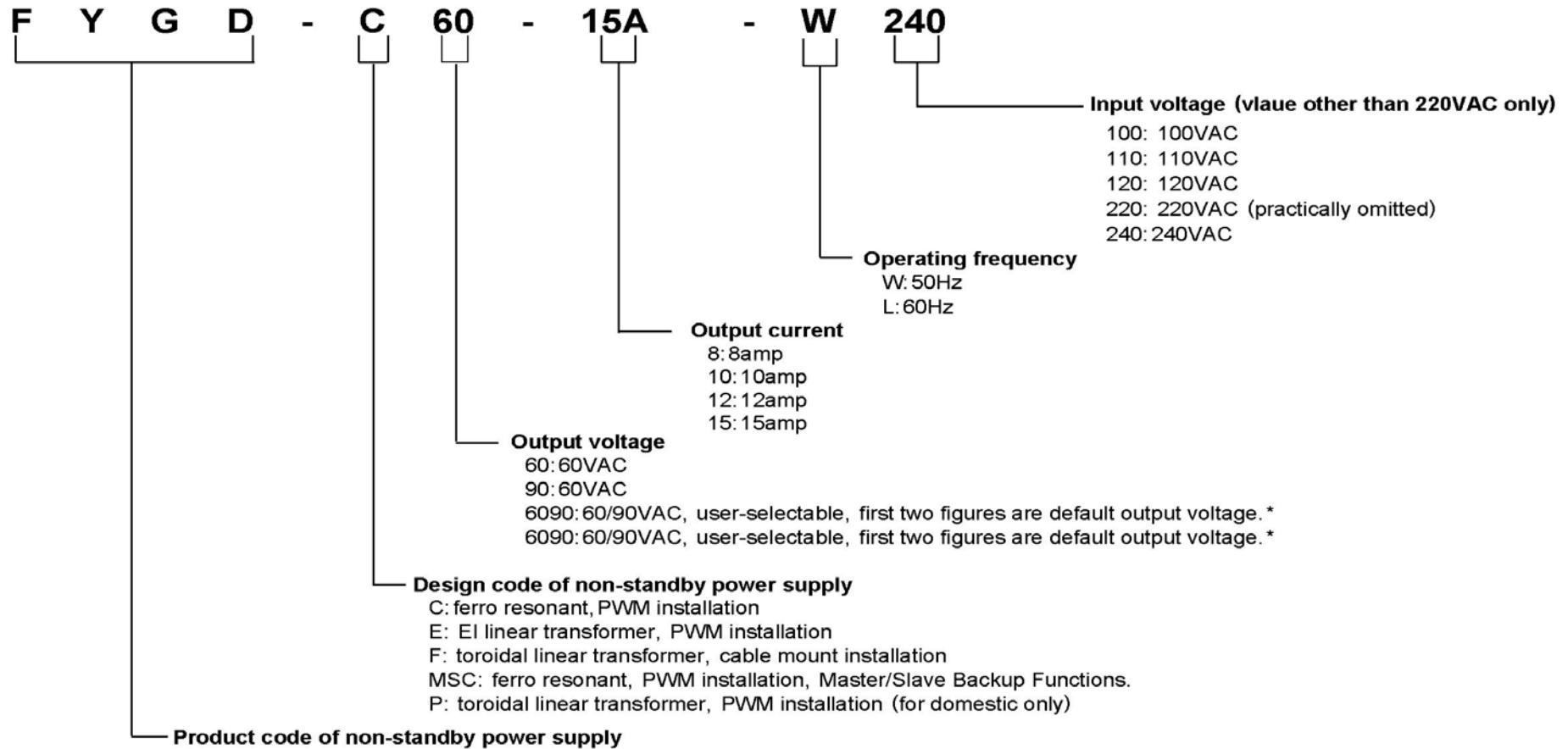
FYGD-MSC also uses the powder coated housing, which features weather resistance and pole & wall mount installations.

Besides, FYGD-MSC has 5 LED indicators on the base to help user easily observe working status of the unit. They are

1. voltage on line;
2. local unit working status;
3. remote unit working status;
4. short / error; and
5. standby.

FYGD-MSC Series Non-standby Power Supply

Ordering Information / Model Definition



* Default output voltage is used to verify maximum output power of the unit. Examples: FYGD-C6090-15A-L120, 900VA; FYGD-C9060-15A-L120: 1350VA.

NOTE: output voltage of the unit is not always set to the default before delivery. Always verify output voltage of the unit before feeding to the loads.

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