



Features:

- Universal AC input / Full range
- No load power consumption<0.75W@240VAC
- 3 pole AC inlet IEC320-C6
- Class I power (with earth pin)
- Built-in active PFC function, PF>0.90
- Protections: Short circuit / Overload / Over voltage
- Fully enclosed plastic case
- LED indicator for power on
- Approvals: UL / CUL / TUV / CB / FCC / CE
- 1 year warranty



ORDER NO.		FM90C12-P1M	FM90C19-P1M	FM90C24-P1M	
ОИТРИТ	SAFETY MODEL NO.	FDF0903-C	FDF0903-A	FDF0903-D	
	DC VOLTAGE Note.2	12V	19V	24V	
	RATED CURRENT	6.60A	4.75A	3.75A	
	CURRENT RANGE	0~ 6.60A	0 ~ 4.75A	0 ~ 3.75A	
	RATED POWER	80W	90W	90W	
	RIPPLE & NOISE (max.) Note.3	150mVp-p	150mVp-p	150mVp-p	
	VOLTAGE TOLERANCE Note.4	±5.0%	±3.0%	±3.0%	
	LINE REGULATION Note.5	±1.0%	±1.0%	±1.0%	
	LOAD REGULATION Note.6	±4.0%	±2.0%	±2.0%	
	SETUP, RISE , HOLD UP TIME	300ms, 50ms, 10ms at full load			
INPUT	VOLTAGE RANGE	90 ~ 264VAC 127 ~ 370VDC			
	FREQUENCY RANGE	47 ~ 63Hz			
	POWER FACTOR	PF≥0.90/230VAC			
	EFFICIENCY (Typ.)	80%	80%	82%	
	AC CURRENT	1.3A/100VAC			
	INRUSH CURRENT (max.)	100A/240VAC			
	LEAKAGE CURRENT (max.)	0.75mA / 240VAC			
PROTECTION	OVERLOAD	110 ~ 150% rated output voltage			
	OVERLOAD	Protection type : Hiccup mode, recovers automatically after fault condition is removed			
	OVED VOLTAGE	110 ~ 150% rated output voltage			
	OVER VOLTAGE	Protection type : Clamp by zener diode			
ENVIRONMENT	WORKING TEMP.	0 ~ + 50°C (Refer to output load derating curve)			
	WORKING HUMIDITY	20% ~ 90% RH non-condensing			
	STORAGE TEMP., HUMIDITY	-20 ~ +85°C, 10 ~ 95% RH			
	TEMP. COEFFICIENT	±0.03% / °C (0 ~ 50°C)			
	VIBRATION	10 ~ 500Hz, 2G 3AXES 10min./1cycle, period for 60min. each along X, Y, Z axes			
SAFETY & EMC (Note. 7)	SAFETY STANDARDS	UL60950-1, TUV EN60950-1 approved			
	WITHSTAND VOLTAGE	I/P-O/P:1.5KVAC; I/P-FG: 1.5KVAC			
	ISOLATION RESISTANCE	I/P-O/P, I/P-FG: 100M ohms/500VDC/25°C/70% RH			
	EMI CONDUCTION & RADIATION	Compliance to EN55022(CISPR22) class B, FCC part 15 class B			
	HARMONIC CURRENT	Compliance to EN61000-3-2,3			
	EMS IMMUNITY	Compliance to EN61000-4-2,3,4,5,6,8,11, light industry level, criteria A			
	MTBF	30K hrs min. MIL-HDBK-217F (25°C)			
	DIMENSION	133*58*30mm (L*W*H)			
	PACKING	406g; 32pcs/14.5Kg/CARTON			
CONNECTOR	PLUG	Standard type P1M: 2.5 ϕ * 5.5 ϕ * 11mm, tuning folk type center positive for stock ; Other type available by customer requested			
	CABLE	Standard type UL1185, 16awg*4fts for stock; Other type available by customer requested			
NOTE	2.DC voltage: The output volt 3.Ripple & noise are measure 4.Tolerence: includes set up t 5.Line regulation is measured 6.Load regulation is measured	d at 230VAC input, rated load, 25°C 70% RH ambient. tage set at point measure by plug terminal & 50% load. ed at 20MHz by using a 12" twisted pair terminated with a 0.1uf & 47uf capacitor. tolerance, line regulation, load regulation. d from low line to high line at rated load. d from 0% to 100% rated load. defend on the component which will be installed into a final equipment. The final equipment must be re-confirmed that it still meets			



