

LED Netzteil Slim, F-200-12, 160 Watt - 12 Volt

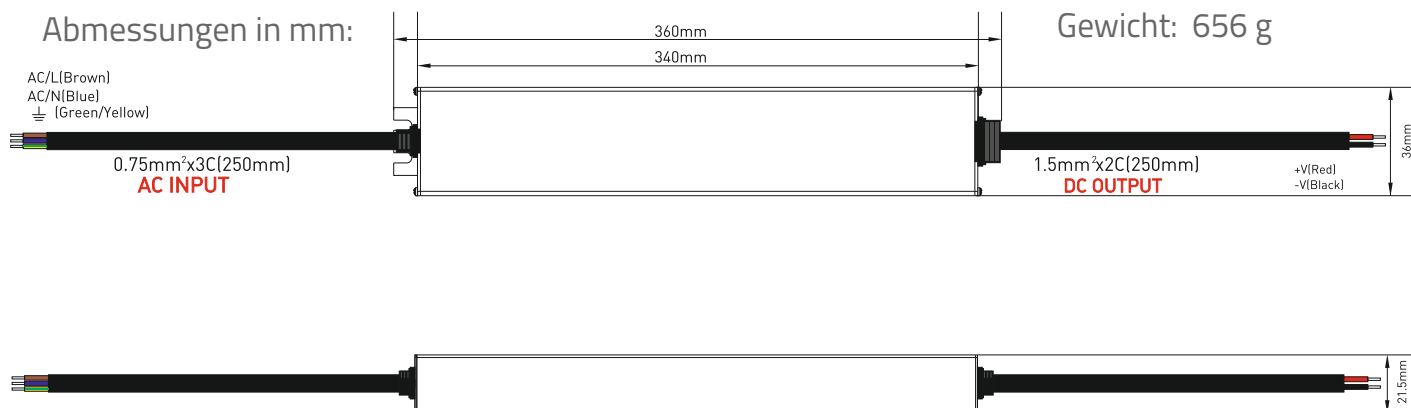
Artikelnummer: 000-F-200-12

- CV/CC Output Model
- Active PFC, PF≥0.96, THD≤5%
- Ultra-thin linear size, width only 35mm, suitable for ultra-small space installation
- Multiple protection circuit: short circuit, over current, over voltage, over temperature
- Widely used in LED panel, LED Strip, advertising sign light-box, home decoration lighting, office lighting, etc
- Passed EMC, anti-interference, anti radiation
- Comply with ERP instruction, standby power consumption < 0.5W
- Comply with EN61347

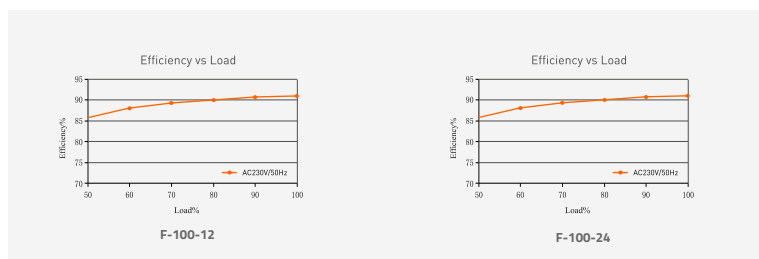

SELV
CE
IP67


Specification

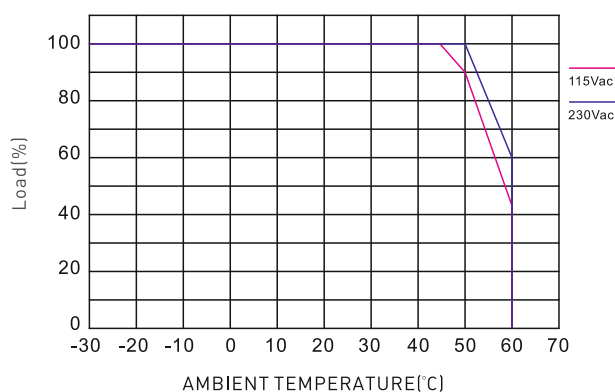
Model		F-200-12	F-200-24	F-200-36	F-200-48
OUTPUT	Output voltage	12VDC	24VDC	36VDC	48VDC
	Output voltage range	12VDC±0.3VDC	24VDC±0.6VDC	36VDC±0.9VDC	48VDC±1.2VDC
	Output current	Max 16.7A	Max 8.3A	Max 5.5A	Max 4.2A
	Output power	Max 200W			
	Output power range	0~200W			
	Ripple & Noise	≤250mV	≤250mV	≤360mV	≤360mV
	Linear Regulation	±1%			
	Load Regulation	±1%			
	Start-up Time [Typ]	600ms/230VAC 800ms/115VAC			
	Rise Time[Typ]	50ms/230VAC 50ms/115VAC			
	Hold Up Time[Typ]	14ms/230VAC 13ms/115VAC			
INPUT	Input voltage	110-277Vac			
	Frequency	50/60Hz			
	Input current	2.1A/110VAC 0.96A/240VAC 0.84A/277VAC			
	Power factor	PF>0.96/230Vac, at full load; PF>0.98/115Vac, at full load			
	No-load power consumption	< 0.5W			
	THD	≤8% at 230Vac,at full load; ≤5% at 115Vac,at full load;			
	Efficiency (typ.)	93%	93.5%	94%	94%
	Inrush current(typ.)	55A/230VAC			
	Control surge capability	L,N:2KV L,N-PE:4KV			
Leakage current	Max. 0.5mA				
ENVIRONMENT	Working temperature	ta: -30°C ~ 50°C Tc max: 85°C			
	Working humidity	20 ~ 99%RH, non-condensing			
	Storage temp., humidity	-40°C ~ 80°C, 10~95%RH			
	Vibration	10~500Hz, 2G 12min./1cycle, period for 72min. each along X, Y, Z axes.			
PROTECTION	Overtemperature	Protection type: Turn off the output voltage, after the temperature drops, re-energize to restore.			
	Over voltage protection	Output voltage ≥120%-140%, turn off the output,after the abnormality is eliminated, re-energize to recover			
	Over load protection	Load current ≥110%~150%, turn off the output, after the fault is eliminated, it can automatically recover.			
	Short circuit protection	Protection type: It can be automatically restored after the fault is eliminated.			
SAFETY & EMC	Withstand voltage	I/P-O/P: 3750Vac			
	Isolation resistance	I/P-O/P: 100MΩ/500VDC/25°C/70%RH			
	Safety standards	IEC/EN61347;UL8750;GB19510			
	EMC emission	EN55015:2013;FCC Part 15B;EN61547:2009;EN61000-3-2:2014;EN61000-3-3:2013			
	EMC immunity	EN61000-4-2,3,4,5,6,8,11 EN61547			
Reliability and Quality Control	Impact aging	100% of the product is fully loaded and impacted for 4 hours under an environment of at least 40°C ± 5°C			
	Component derating	Under the steady-state conditions of rated input and output, the stress of components will not exceed its maximum nominal value			
NOTE	1. All parameters not specifically mentioned are measured at 230VAC input, rated load and 25°C ambient temperature. 2.Ripple and noise test method: connect 0.1uF and 47uF capacitors in parallel at the terminal, and measure under 20MHZ bandwidth 3. Ensure that the power supply is used under the rated parameters and environment.				



Relationship diagrams



Temperature load curve



Installations- und Sicherheitshinweise

Nur von qualifiziertem Fachpersonal installieren lassen.
Sicherstellen, dass die Umgebungstemperatur nicht die angegebenen Werte übersteigt.
Netzteil vor dauerhafter Feuchtigkeit und direkter Sonneneinstrahlung schützen.
Anschluss nur im spannungsfreien Zustand vornehmen.

Anwendungsbereiche

- alle gängigen LED-Anwendungen
- LED-Werbeanlagen
- Lichtleisten und Lichtsysteme
- Architekturbeleuchtungen
- Innen- und Außeninstallationen

Die technischen Daten können ohne vorherige Ankündigung geändert werden.

Es liegt in der Verantwortung des Anwenders, die Kompatibilität des Netzteils mit der gewünschten Anwendung sicherzustellen.

Die Die LED Birne GBR haftet nicht für Schäden, die durch unsachgemäße Installation oder Verwendung entstehen.