



■ Features

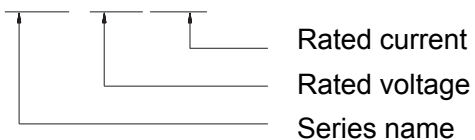
- AC / DC Desktop power adapter
- High efficiency
- High frequency automatic convert mode
- Universal AC input / Full range 90-264Vac
- Built- in active PFC function
- Protection: Short circuit / Over voltage / Over temperature
- 2 years warranty

■ Applications

- IT equipment or Radio system
- Surveillance system
- Domestic appliances
- Machine room

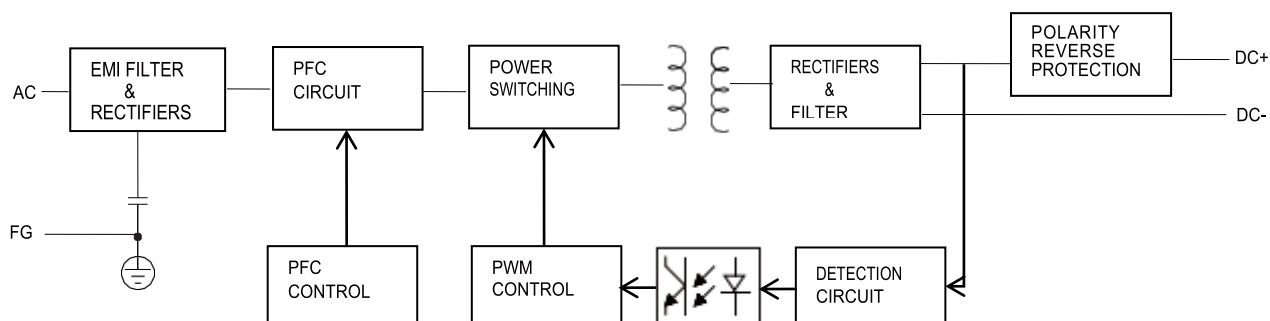
■ Mode Encoding

G600-XXXYYY

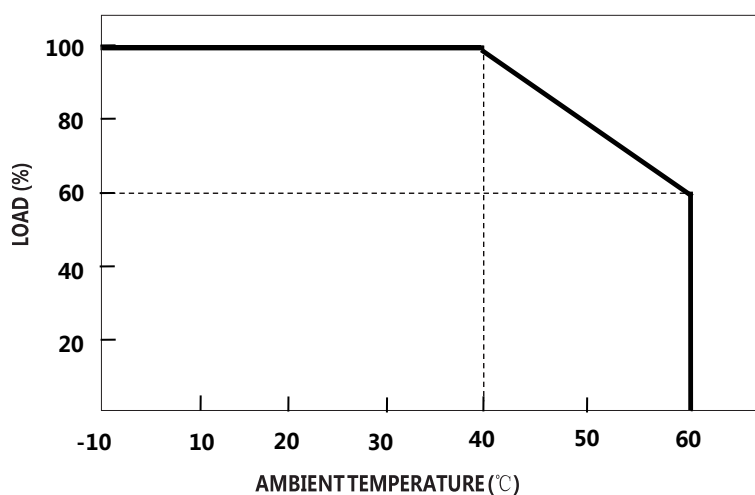


MODEL		G600-240200	G600-360160	G600-420142	G600-480125	G600-600100	
OUTPUT	Charge voltage	24V±5%	36V±5%	42V±5%	48V±5%	60V±5%	
	Charge current range	0-20A	0-16A	0-14.2A	0-12.5A	0-10A	
	Rated power	480W	596.4W	1176W	600W	600W	
	Voltage regulation rate Load	1%					
	Regulation rate	5%					
	Start-up time	2000mS (Input:115VAC Output:Full load)					
	Rise time	30mS (Input:115VAC Output:Full load)					
	Hold time	15mS (Input:115VAC Output:Full load)					
	Ripple voltage	<output voltage*1% (20MHz , AC coupling mode, connected in parallel with 0.1uf ceramic capacitor and 47uf electrolytic capacitor)					
	LCD display	Display voltage,current,capacity					
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz					
	Input voltage range	90 - 264VAC					
	Power factor (Typ.)	PF>0. 98 @Full load					
	Input current (Typ.)	5.8A@115VAC 2.8A@230VAC					
	Inrush current (Typ.)	Cold start 75A @230VAC					
	Standby input power	< 2.5W					
	Efficiency (Typ.)	92%	93%	93%	94%	94%	
PROTECTION	Short circuit	The internal relay turns off automatically					
	Over voltage	The internal relay turns off automatically					
	Over current	The internal relay turns off automatically					
	Over temperature	Close the output and automatically recover after the temperature is normal					
	ENVIRONMENT	Working temperature	-10 - +40℃ (Refer to " Derating Curve")				
Working humidity		0 - 90% RH					
Storage temperature, humidity		-40 - +70℃, 0 - 95% RH					
Cooling		Fan					
Vibration resistance		10 - 50Hz, 2G 10min. 1cycle, 60min. each along X, Y, Z					
Safety & EMC (Note 6)	Max. temperature rise	axes < 40℃ (Refer to " Derating Curve")					
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)					
	Safety standards	IEC60950.1					
	EMC Emission	Parameter	standard			Test Level I Note	
		Conducted	EN55032 FCC PART15			Class B	
		Radiated	EN55032 FCC PART15			Class B	
		Harmonic Current	EN61000-3-2			
		Voltage Flicker	EN61000-3-3			
	EMC IMMUNITY	EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-11					
	OTHERS	MTBF	30000H				
Dimension		240*117*66mm (L*W*H)					
Weight		1000g					
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Derating may be needed under low input voltages. Please check the derating curve for more details. 3. The battery charger is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives.						

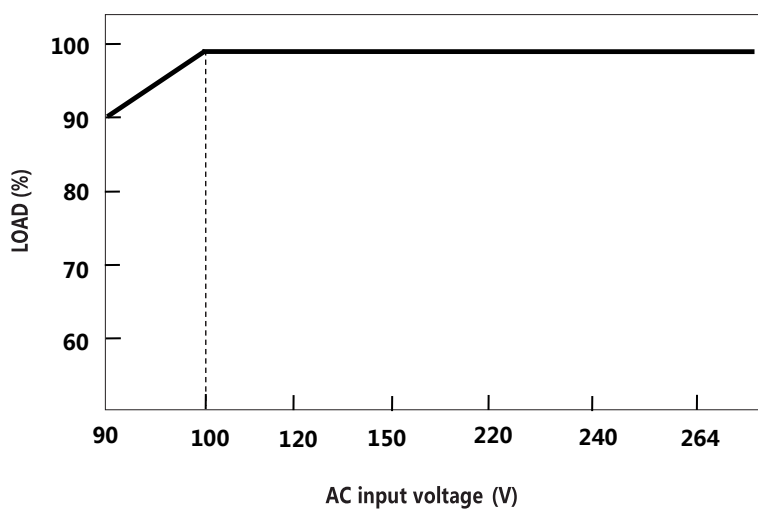
■ Block Diagram



■ Derating Curve



■ Static Characteristics



■ Mechanical specification

