



■ Features

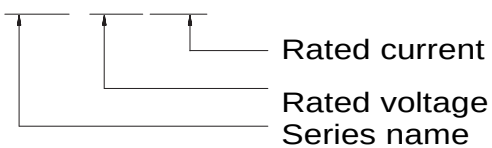
- AC/DC desktop type power unit
- High efficiency
- Universal AC input / Full range(90-264V~)
- Built- in active PFC function
- High frequency switching mode
- Protection: Short circuit / Over voltage /Over temperature
- Display voltage、 current
- 1 years warranty

■ Applications

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

■ Mode Encoding

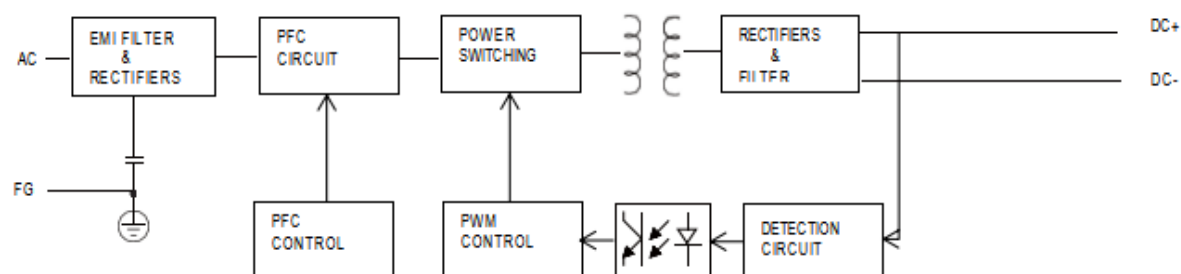
G600-XXXYYY



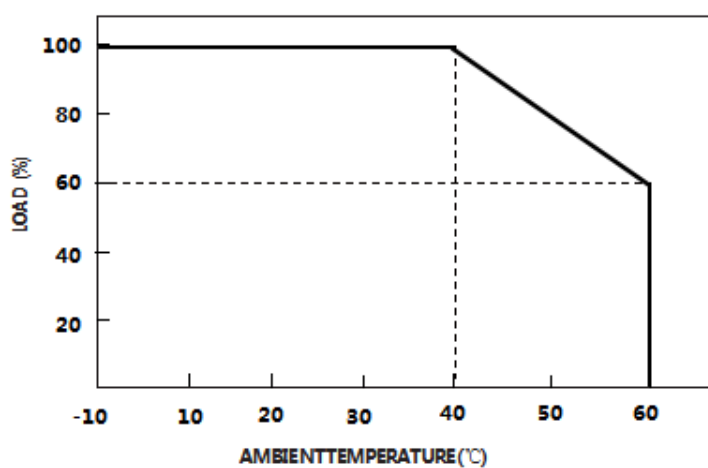
SPECIFICATION

MODEL		G600-240200	G600-360160	G600-420142	G600-480125	G600-600100
OUTPUT	Voltage	24V±5%	36V±5%	42V±5%	48V±5%	60V±5%
	current	0-20A	0-16A	0-14.2A	0-12.5A	0-10A
	Rated power	480W	576W	596.4W	600W	600W
	Voltage regulation	1%				
	Load regulation	5%				
	Start-up time	1000mS(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					
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz				
	Input voltage range Note.2	90 - 264VAC				
	Power factor (Typ.)	PF>0.98 @AC100V,Full load				
	Input current (Typ.)	5.8A@115VAC 2.8A@230VAC				
	Inrush current (Typ.)	75A/230VAC (cold start)				
	Standby input power	<5W				
	Efficiency (Typ.)	91%	92%	92%	92%	93%
PROTECTION	Short circuit	Protection type : Shut down output				
	Over voltage	Protection type : Shut down output				
	Over current	Protection type : Shut down output (110-160%)				
	Over temperature	Protection type : Shut down output				
ENVIRONMENT	Working temperature	-10 - +40°C (Refer to “Derating Curve”)				
	Working humidity	0 - 90% RH				
	Storage temperature, humidity	-40 - +70°C, 0 - 95% RH				
	Cooling	Natural convection				
	Vibration resistance	10-50Hz,2G10min.1cycle,60min.eachalongX,Y,Zaxes				
SAFETY&EMC (Note.3)	Max. temperature rise	< 40°C on casing				
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)				
	Safety standards	IEC62368-1				
	EMC Emission	Parameter	standard			Test Level I Note
		Conducted	EN55032FCCPART15			Class B
		Radiated	EN55032FCCPART15			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	1500g				
NOTE	1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature. 2.Derating may be needed under low input voltages. Please check the derating curve for more details. 3. The power unit is considered as an independent unit, but the final equipment still need to re-confirm that the whole system complies with the EMC directives.					

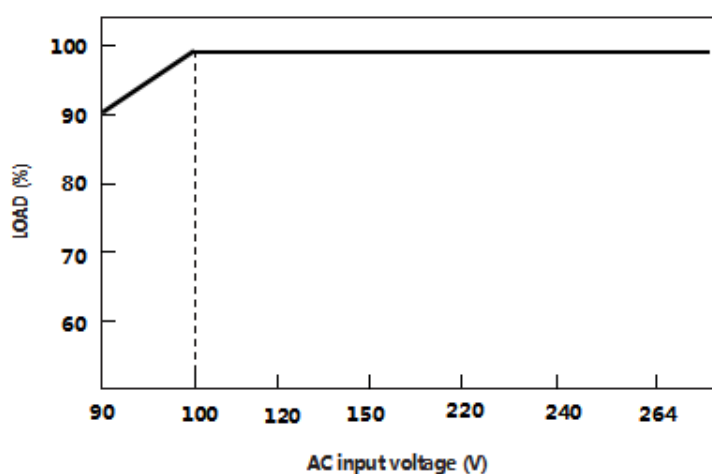
■ Block Diagram



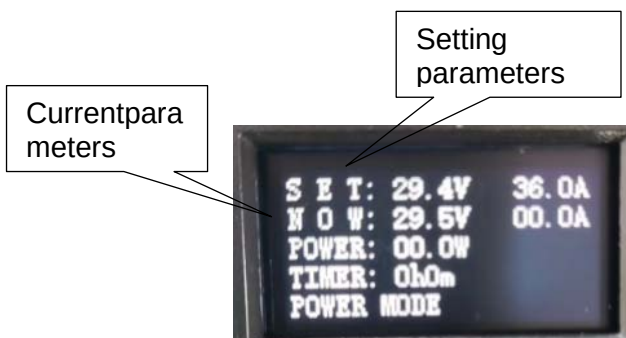
■ Derating Curve



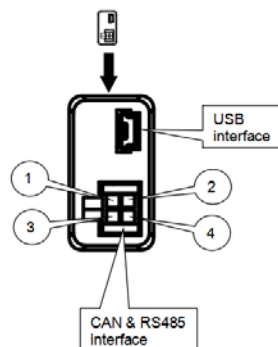
■ static Characteristics



■ LCD display



■ Communication Terminal Pin No.



Communication Terminal Pin No. Assignment

• When using CAN communication

Pin No.	Assignment
1	CANH
2	5V+
3	CANL
4	5V-

• When using RS485 communication

Pin No.	Assignment
1	RS485-B
2	5V+
3	RS485-A
4	5V-

■ Mechanical specification

