■ 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

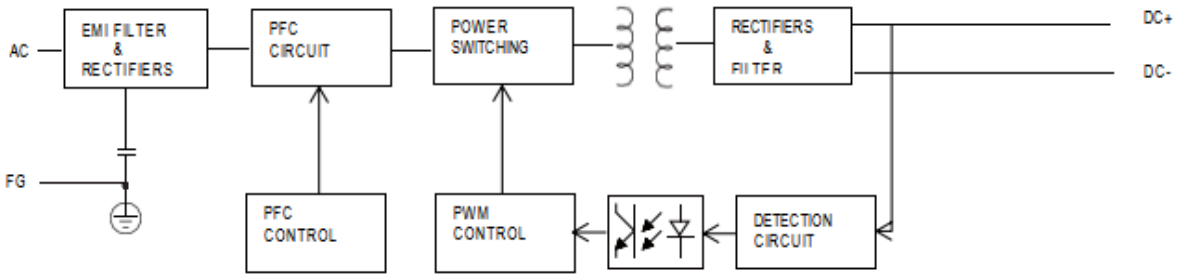
G1200-XXXYYY

- Rated current
- Rated voltage
- Series name

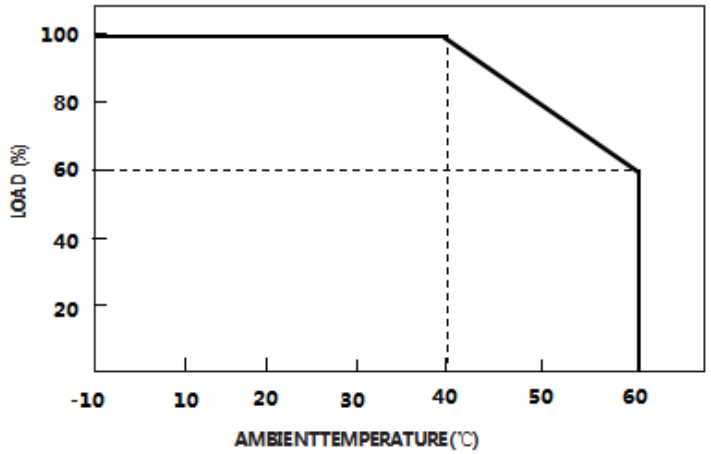
SPECIFICATION

MODEL		G1200-240360	G1200-360330	G1200-420280	G1200-480250	G1200-600200
OUTPUT	Voltage	24V±5%	36V±5%	42V±5%	48V±5%	60V±5%
	Current	0-36A	0-33A	0-28A	0-25A	0-20A
	Rated power	864W	1188W	1176W	1200W	1200W
	Voltage regulation	1%				
	Load regulation	3%				
	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(Display error ± 2%), current(Display error ± 6%)				
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz				
	Input voltage range Note.2	90 - 264VAC				
	Power factor (Typ.)	PF>0. 96 @Full load				
	Input current (Typ.)	13A@115VAC 6A@230VAC				
	Inrush current (Typ.)	75A/230VAC (cold start)				
	Standby input power	<6W				
	Efficiency (Typ.)	92%	93%	93%	93.5%	93.5%
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℃ (Refer to " Derating Curve")				
	Working humidity	0 - 90% RH				
	Storage temperature, humidity	-40 - +70℃, 0 - 95% RH				
	Cooling	Natural convection				
	Vibration resistance	10 – 50Hz, 2G 10min. 1cycle, 60min. each along X, Y, Z axes				
SAFETY & EMC(Note.3)	Max. temperature rise	< 40℃ on casing				
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)				
	Safety approval	IEC62368				
	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	265*134*60mm (L*W*H)				
	Weight	2500g				
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 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.					

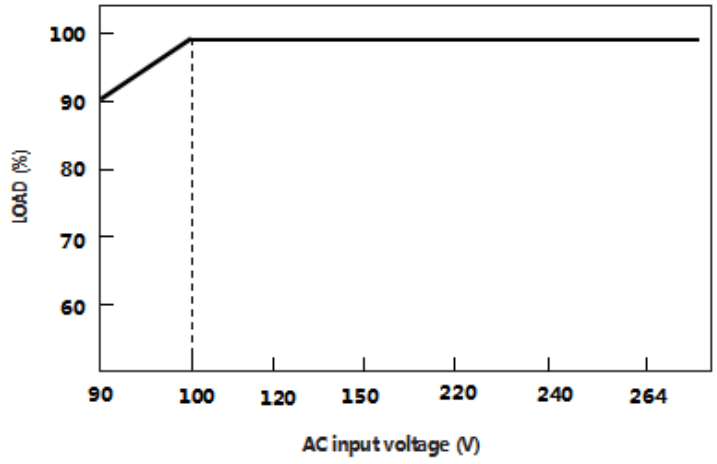
■ Block Diagram



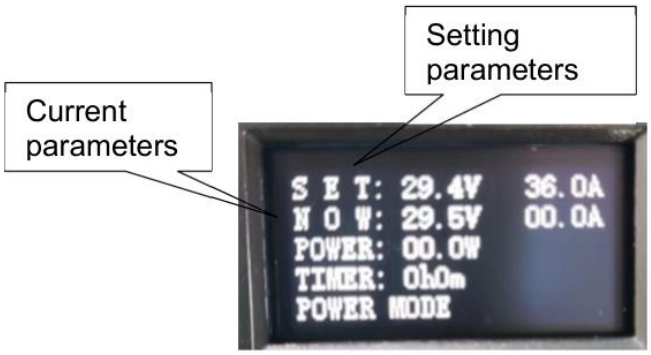
■ Derating Curve



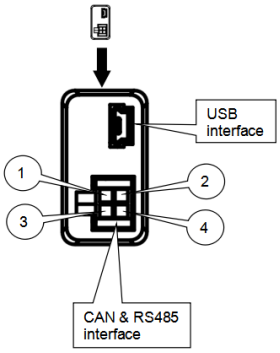
■ static Characteristics



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