■ Features

•AC/DCdesktop 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

• 1 years warranty

■ Applications

•IT equipment or Radio system

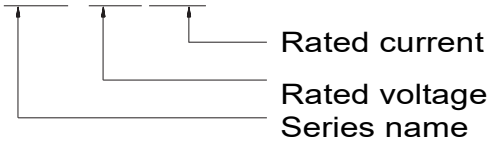
•Machine room

•Surveillance system

•Home appliances

■ ModeEncoding

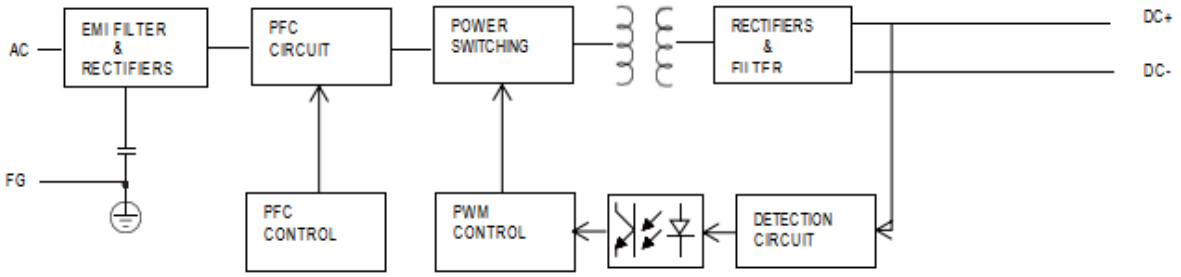
G300-XXXYYY



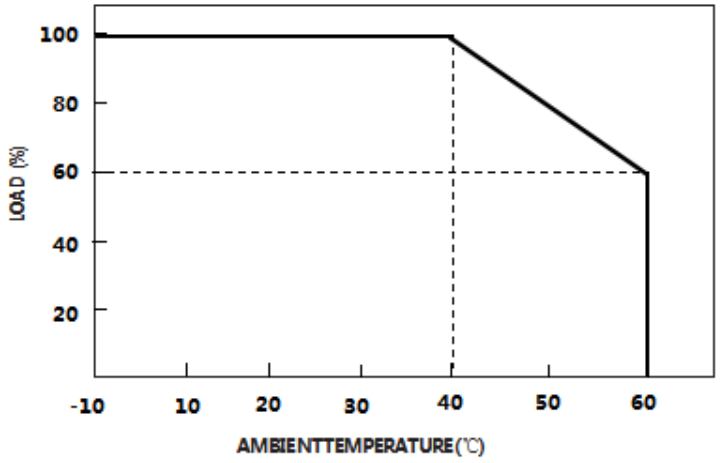
SPECIFICATION*(Only the adopted models are listed in table, for other output please reach our sales)*

MODEL		G300-120180	G300-240125	G300-360083	G300-420071	G300-480062
OUTPUT	Voltage	12.0V±5%	24.0V±5%	36.0V±5%	42.0V±5%	48.0V±5%
	current	0-18A	0-12.5A	0-8.3A	0-7.1A	0-6.2A
	Rated power	216W	300W	298.8W	298.2W	297.6W
	Voltage regulation	1%				
	Load regulation	5%				
	Start-up time	300mS(Input:115VAC Output: Full load)				
	Rise time	30mS (Input:115VAC Output: Full load)				
	Hold time	20mS (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)				
	Power LED	Red				
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz				
	Input voltage range Note.2	90 - 264VAC				
	Power factor (Typ.)	PF>0. 98 @Full load，Input:115VAC ；PF>0. 94 @Full load，Input:230VAC				
	Input current (Typ.)	4.5A@100VAC				
	Inrush current (Typ.)	75A/230VAC (cold start)				
	Standby input power	<0.2W				
	Efficiency (Typ.)	94%	95%	95%	95%	95%
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,2G10min.1cycle,60min.eachalongX,Y,Zaxes				
SAFETY&EMC (Note.3)	Max. temperature rise	< 40℃ on casing				
	Hi-Pot Insulation	i/p to o/p: 3000V (1 min)				
	Safety approval	CE/CCC/cTUVus/CB				
	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	220*105*43 (L*W*H)				
	Weight	1300g				
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.					

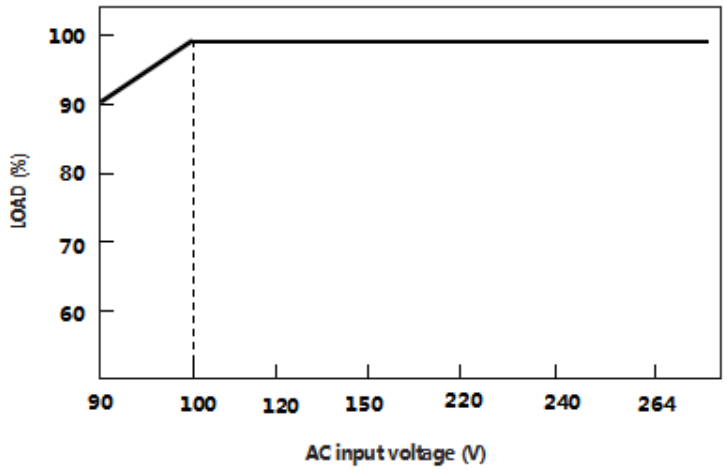
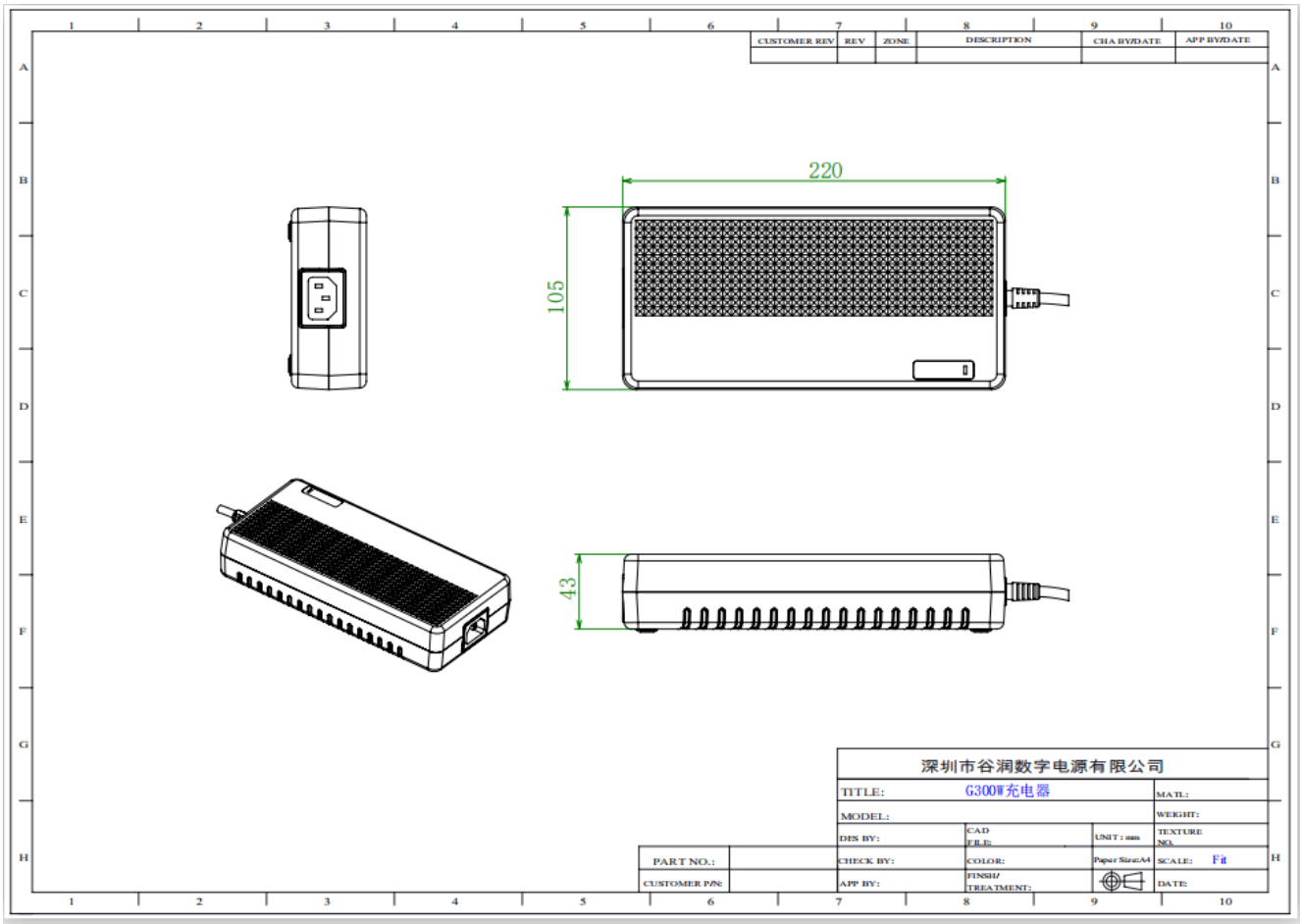
■ Block Diagram



■ Derating Curve



■ static Characteristics



■ Mechanical specification