



■ Features

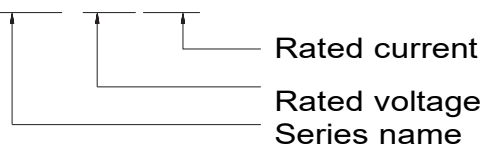
- AC/DC desktop power adapter
- Small size , only 75*43*28mm
- High efficiency, >91% at AC 90V input
- Universal AC input, wide range cover 90~264V
- Meet EN62368, EN55032, EN61000 & UL62368
- Protection: Short circuit / Over voltage / Over current
- 1 years warranty

■ Applications

- IT equipment, such as Laptop
- Consumer electronic devices
- Surveillance system
- Home appliances

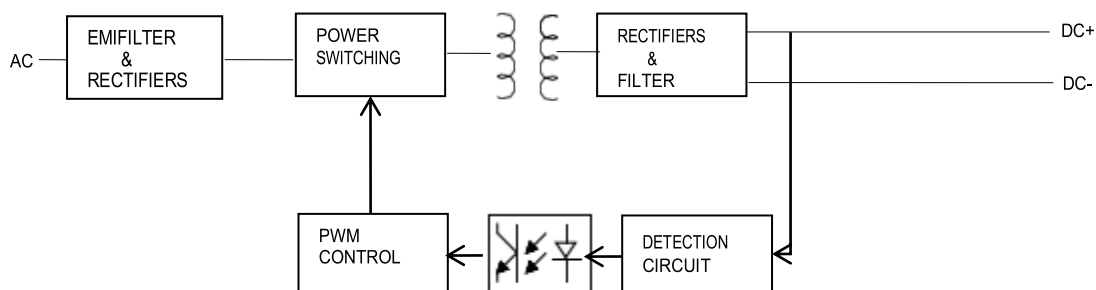
■ Mode Encoding

GaN065-XXXYYY

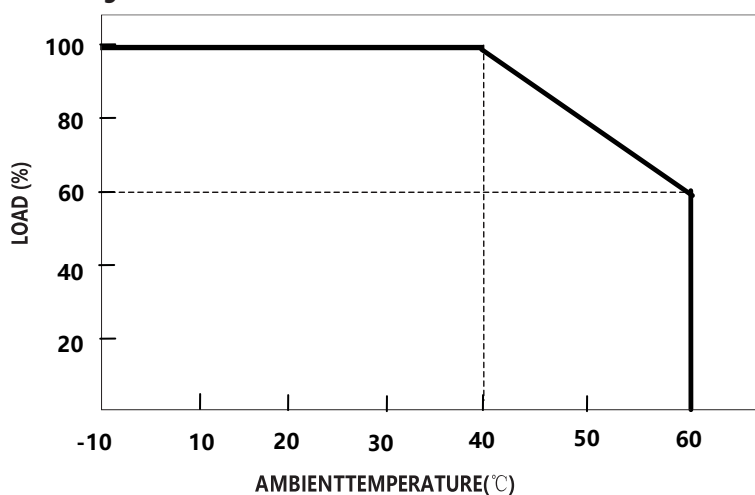


MODEL		GaN065-050060	GaN065-090050	GaN065-120042	GaN065-150033	GaN065-190026
OUTPUT	Voltage	5V±5%	9V±5%	12V±5%	15V±5%	19V±5%
	current	0-6A	0-5A	0-4.2A	0-3.3A	0-2.6A
	Rated power	30W	45W	50.4W	49.5W	49.4W
	Voltage regulation	1%				
	Load regulation	5%				
	Start-up time	1000mS(Input:115VAC Output:Full load)				
	Rise time	30mS (Input:115VAC Output:Full load)				
	Hold time	15mS (Input:115VAC Output:Full load)				
	Ripple voltage	≤Vo*1% (20MHz , AC coupling mode, connected in parallel with 0.1uf ceramic capacitor and 47uf electrolytic capacitor)				
	LED display	Red LED				
INPUT	Rated input voltage	100 - 240VAC 50 / 60Hz				
	Input voltage range Note.2	90 - 264VAC				
	Power factor (Typ.)	PF>0.55 @AC100V,Full load				
	Input current (Typ.)	1.2A@100VAC				
	Inrush current (Typ.)	75A/230VAC (cold start)				
	Standby input power	<0.5W				
	Efficiency (Typ.)	91%	92%	92.5%	92.5%	92.5%
PROTECTION	Short circuit	Yes				
	Over voltage	Yes				
	Over current	Yes				
	Over temperature	-				
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.each along X,Y,Z axes				
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 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	75*43*28.5mm (L*W*H)				
	Weight	120g				
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. 4.AC Inlet is ICE320-C8, DC cord is 1.5m 2*AWG18 wires, DC terminal is defined when order.					

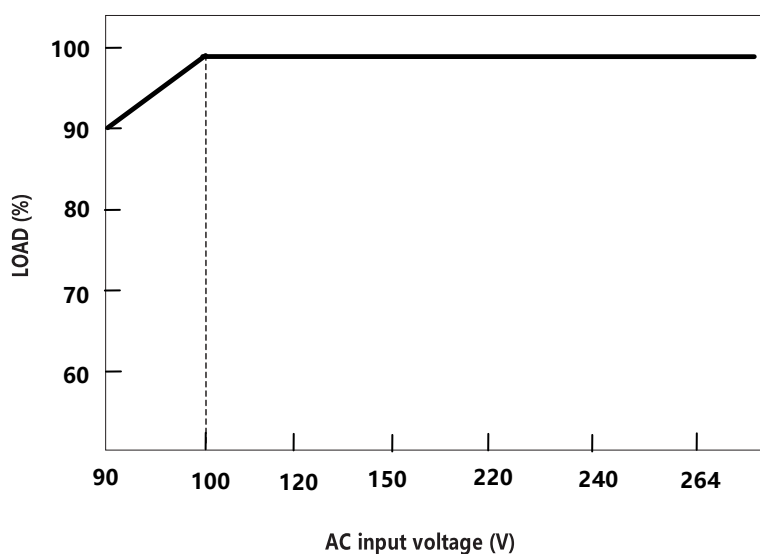
■ Block Diagram



■ Derating Curve



■ Static Characteristics



■ Mechanical specification

