



■ **Features**

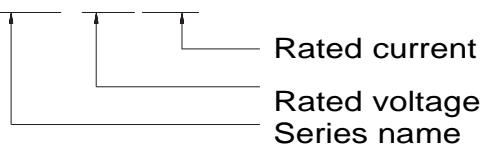
- AC/DC desktop power adapter
- Small size , only 75\*43\*28mm
- High efficiency, >91% at AC 90V input
- Universal AC input, wide range cover 90~264V
- Meet EN62368, EN55032, EN61000 & UL62368
- Protection: Short circuit / Over voltage / Over current
- 1 years warranty

■ **Applications**

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

■ **Mode Encoding**

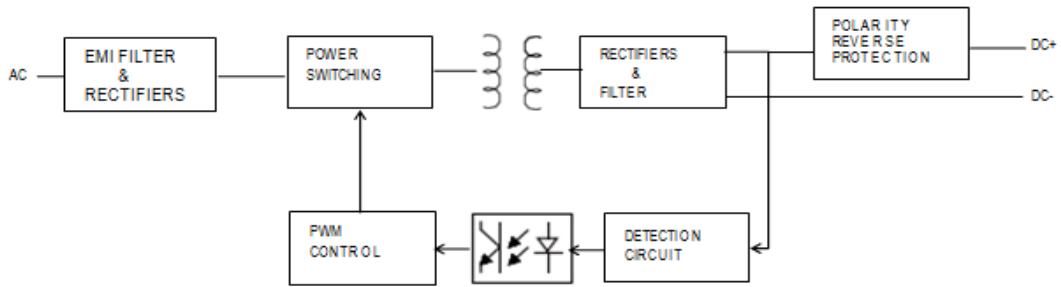
GaN065-XXXYYY



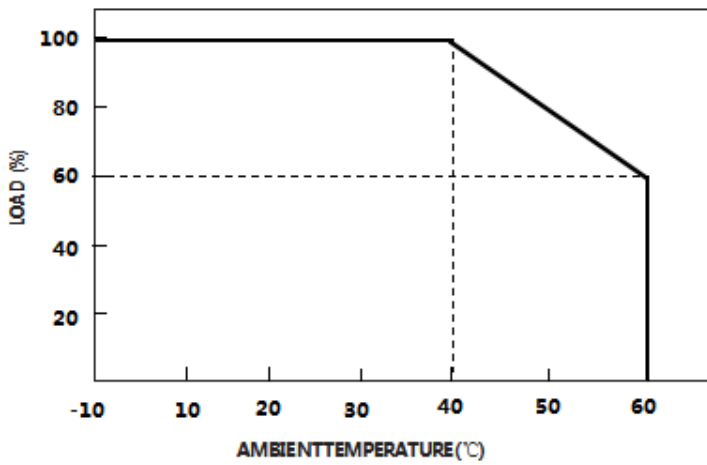
**SPECIFICATION**

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.)	1.1A@115VAC 0.55A@230VAC					
	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.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   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	<p>1.All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25°C of ambient temperature.</p> <p>2.Derating may be needed under low input voltages.Please check the derating curve for more details.</p> <p>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.</p> <p>4.AC Inlet is ICE320-C8, DC cord is 1.5m 2*AWG18 wires, DC terminal is defined when order.</p>						

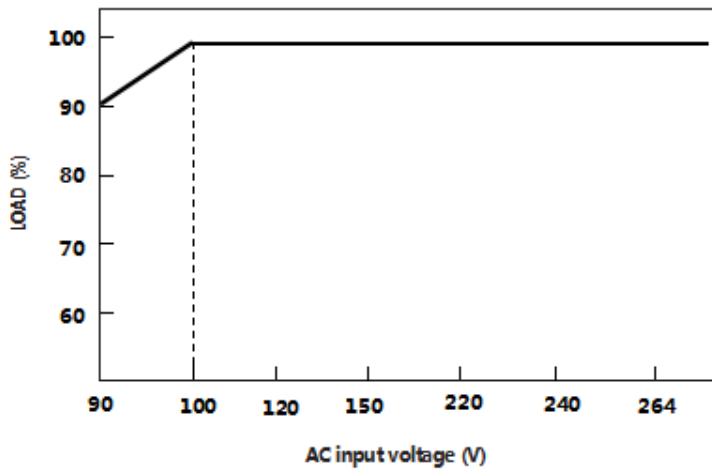
### ■ Block Diagram



### ■ Derating Curve



### ■ static Characteristics



## ■ Mechanical specification

