



■ Features

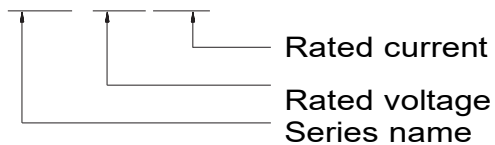
- AC/DC desktop power adapter
- Small size
- High efficiency, >90% at AC 90V input
- Universal AC input, wide range cover 90~264V
- Meet EN62368, EN55032, EN61000 & UL62368
- Protection: Short circuit / Over voltage /Overcurrent
- 1 years warranty

■ Applications

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

■ Mode Encoding

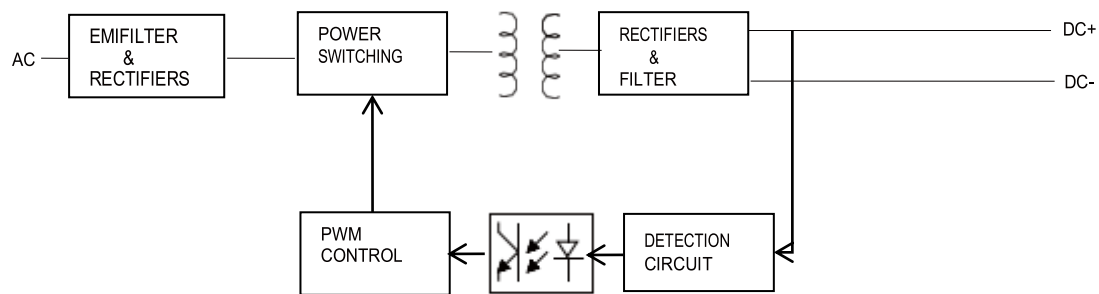
GaN085-XXXYYY



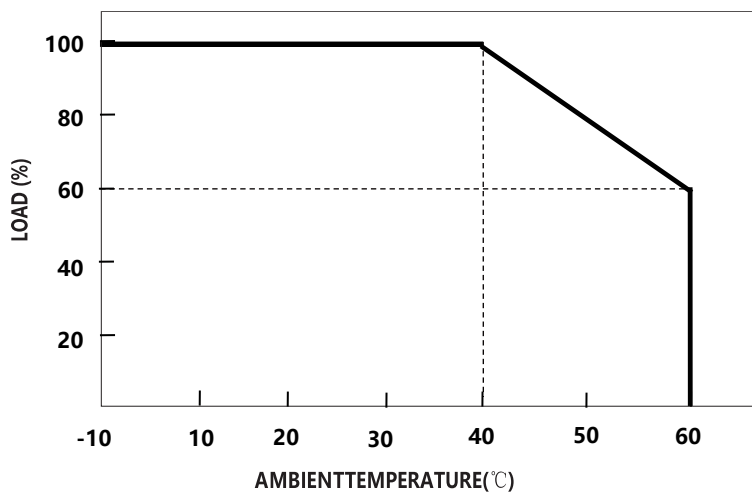
SPECIFICATION

MODEL		GaN085-120060	GaN085-190043	GaN085-240035	GaN085-480018
OUTPUT	Voltage	12V±5%	19V±5%	24V±5%	48V±5%
	current	0-6A	0-4.3A	0-3.5A	0-1.8A
	Rated power	72W	81.7W	84W	86.4W
	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.)	1.5A@100VAC			
	Inrush current (Typ.)	75A/230VAC (cold start)			
	Standby input power	<0.5W			
	Efficiency (Typ.)	93%	93.5%	93.5%	92%
PROTECTION	Short circuit	Yes			
	Over voltage	Yes			
	Over current	Yes			
	Over temperature	-			
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/PSE/cETLus/ SAA/CB /FCC/UK			
	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	114*68.4*29mm(L*W*H)			
	Weight	250g			
NOTE	1.All parameters NOT specially mentioned are measured at 230V AC input, rated load and 25℃ of ambient temperature. 2.Derating may be needed under low in put 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.				

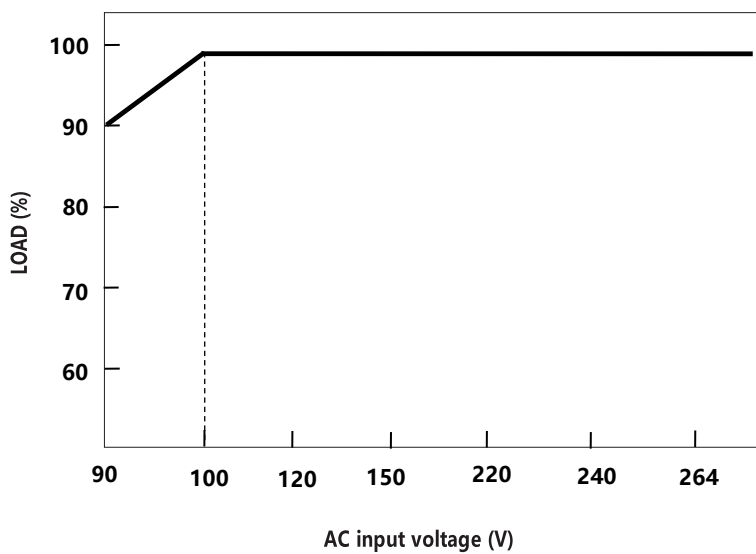
■ Block Diagram



■ Derating Curve



■ Block Diagram



■ Mechanical specification

