



■ 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

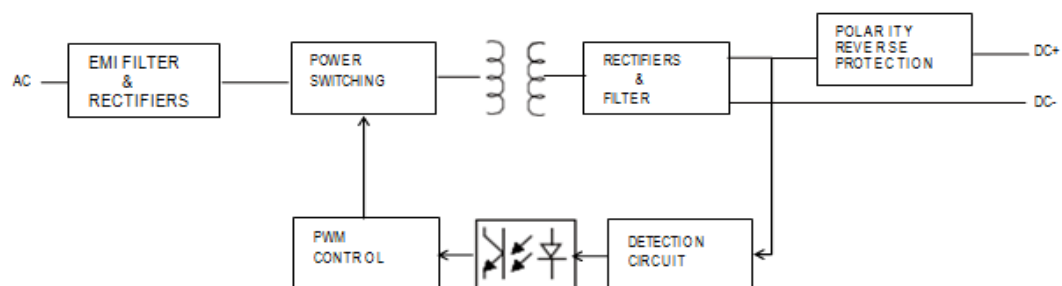
GaN085-XXXYYY



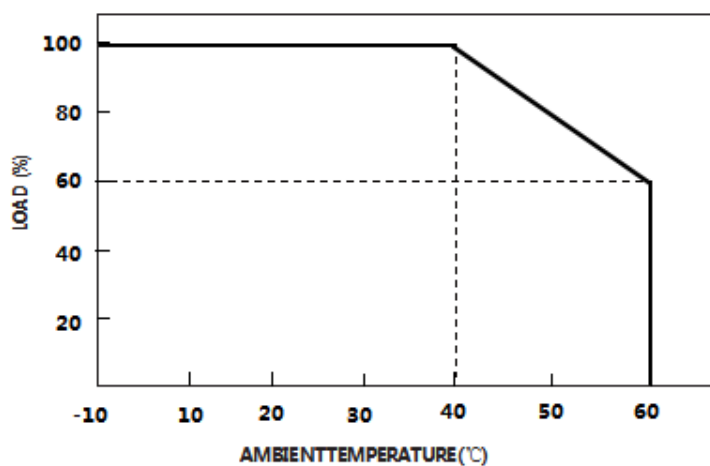
SPECIFICATION

| 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°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 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°C 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. | | | | |

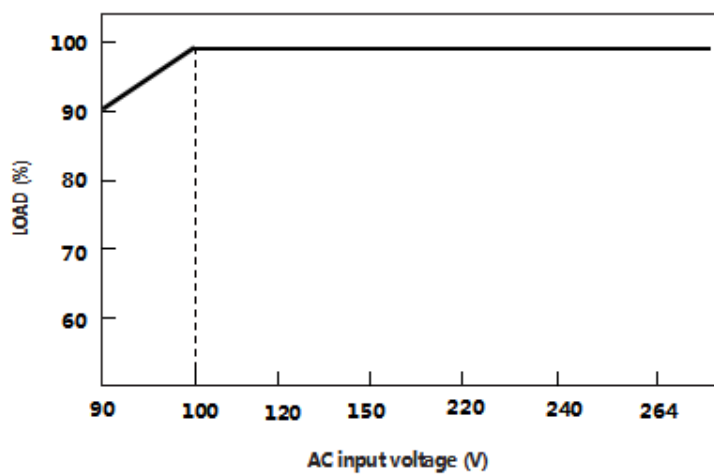
■ Block Diagram



■ Derating Curve



■ static Characteristics



Mechanical specification

