

GZN-3000 Intelligent industrial power supply

Features:

- Input voltage range: 90-275VAC
- Protection: short curcuit/over current/over voltage/over temperature
- Power factor:PF≧0.99
- Work efficiency:93%
- 485 Communication Control

Applications:

- Industrial control or automation equipment
- Laser related machines
- UV curing equipment
- Charging equipment
- Test and measurement instruments
- Aging equipment

Description:

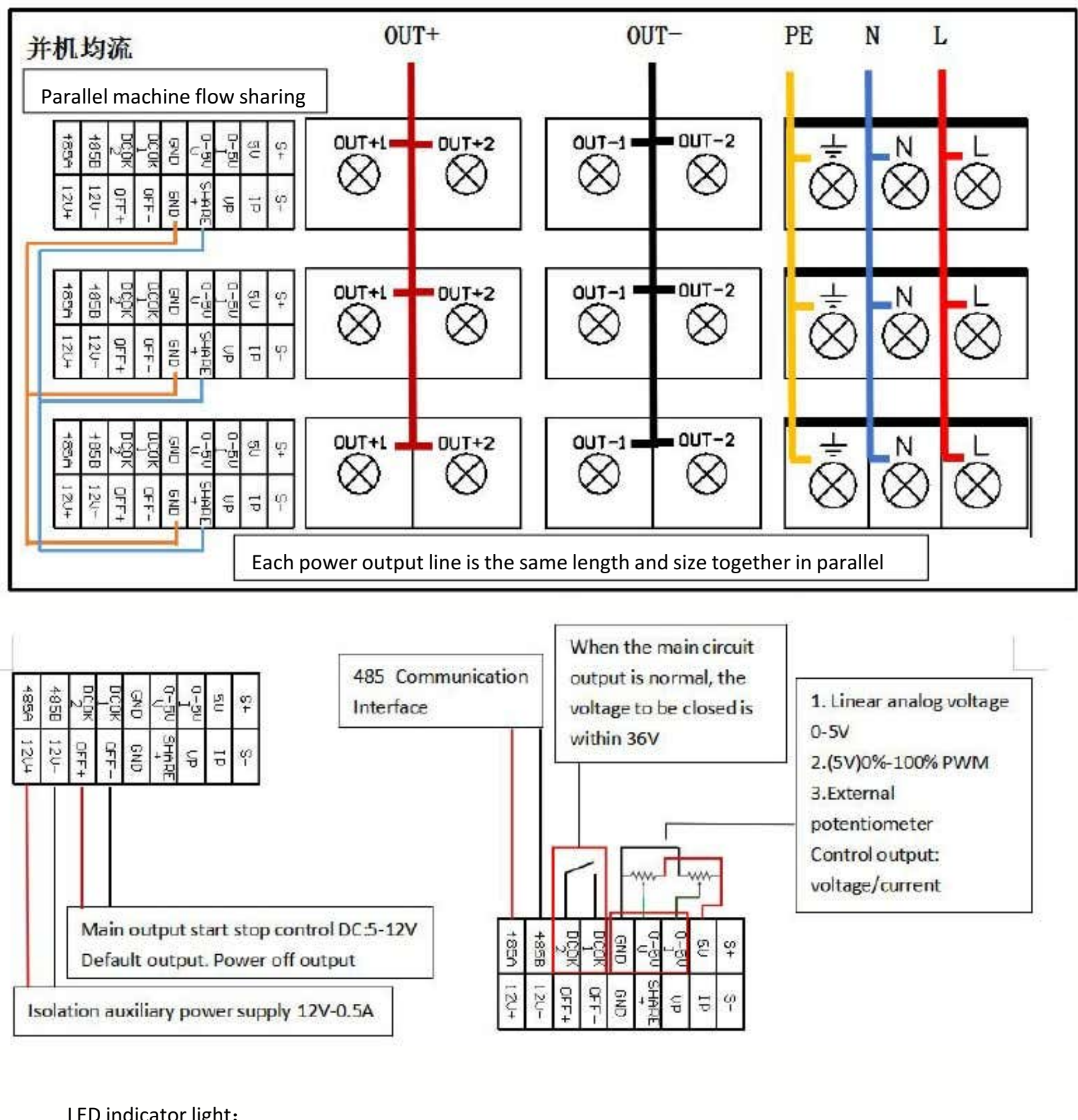
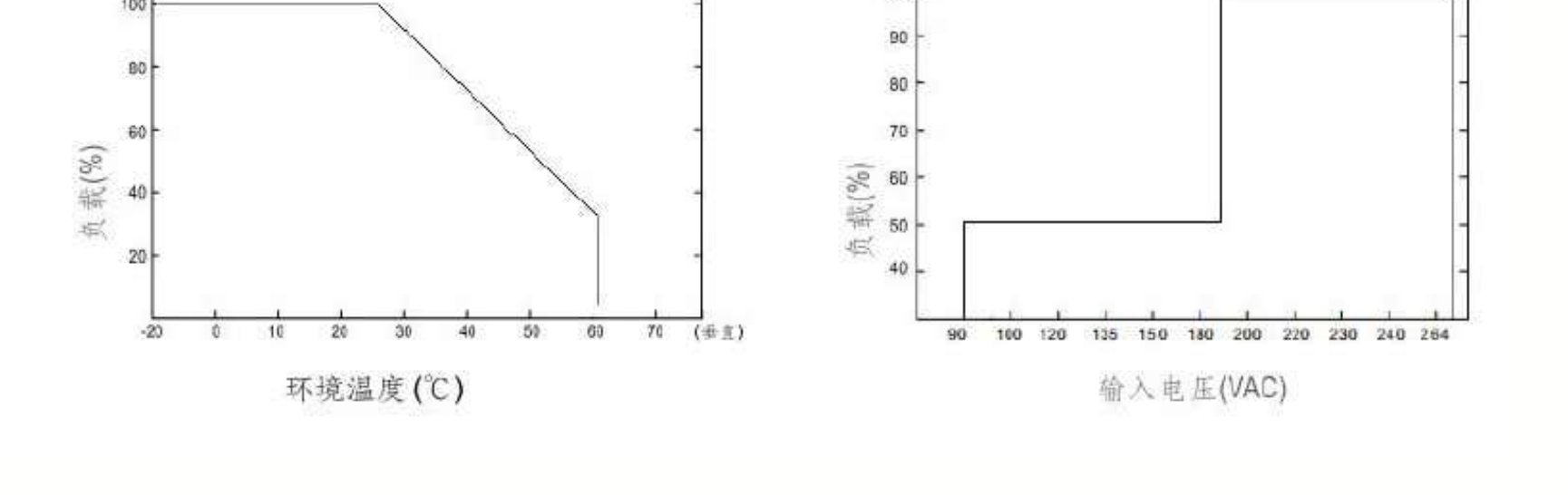
The GZN-3000 is a 3KW single-output housing type AC to DC power supply. The full range of input voltages ranges from 90 to 265VAC and provides DC outputs to meet most industrial needs. Each model can be air-cooled by an internal speed fan, and the operating temperature can reach 60 ° C. Built-in functions such as output voltage, current adjustable, current equalization, remote on/off control, 485 communication control, auxiliary power and other functions provide a variety of design flexibility.

Model		GZN-3000-12	GZN-3000-24	GZN-3000-36	GZN-3000-48	GZN-3000-60	GZN-3000-220
OUTPUT	DC voltage	12V	24V	36V	48V	60V	220V
	Rated current	180A	125A	83.3A	62.5A	50A	13.6A
	Current range	0-180A	0-125A	0-83.3A	0-62.5A	0-50A	0-13.6A
	Rated power	2700W	3000W				
	Ripple & Roise	200mV	200mV	260mV	300mV	500mV	1000mV
	Constant current range	6-15V	12-24V	18-36V	24-48V	30-60V	110-220V
	Voltage tolerance	±1.0%					
	Line regulation	±1.0%					
	Load regulation	±1.0%					
INPUT	Setup risetime	1500mS. 700mS/230VAC(Full load)					
	Voltage range	95-190VAC(output current 50%),195-265VAC(output current 100%)					
	Frequency range	45Hz - 65Hz					
	Power factor	PF≧0.99/230VAC(full load)					
	Efficiency	87 %	90 %	91.5 %	92 %	92.5 %	93 %
	AC Current	<18A					
PROTECTION	Leakage current	<3.0mA / 240VAC					
	Short curcuit	Enter the constant current and the voltage is less than 10% of the rated voltage, turn off and lock the output after 1 second, and resume after restart					
	Over current	The user can set a delay of 5 seconds after the current value is turned off, and the output can be restored after restart					
	Over voltage	The user can set the overvoltage value to turn off the output voltage and restore it after restart					
	Over temperature	Turn off the output and automatically recover or restart after the temperature drops					
FUNCTION	Output voltage adjustment	0-15V	0 - 26.4V	0 - 39.6V	0 - 52.8V	0-66V	0 - 242V
	Output constant current	0-180A	0 - 125A	0 - 83.3A	0 - 62.5A	0-50A	0 - 13.6A

	Current equalization	Parallel current sharing
	Auxiliary power supply	12V 0.5A
	Remote control switch	Default power on, high power off（5V-12V）
	Alarm output	Power normal signal（Dry contact≡36V,0.1A）
ENVIRONMENT	Working TEMP.	-20 - +60℃
	Working humidity	-20 - 90% RH non-condensing
	Storage TEMP. and humidity	-40 - +85℃, 10 - 95% RH non-condensing
	Vibration	10 - 500Hz, 2G 10mins/T, X, Y, Z axis 60 minutes each
SAFETY & EMC	Isolation resistance	input-output:100Mhms/500VDC/25℃/70%RH
	Withstand voltage	I/P-O/P:2KVAC I/P-FG:2KVAC O/P-FG:0.5KVAC
	EMC emission	GB 9254 Class A
	EMC immunity	GB 9254 Class A
OTHERS	Dimension	289*174*69mm（L*W*H）
	Net weight	3.3 KG
NOTE	1. All parameters NOT specially mentioned are measured at 230VAC input, rated load and 25℃ of ambient temperature. 2. Ripple & noise are measured at 20MHz of bandwidth by using a 12" twisted pair-wire terminated with a 0.1uf & 47uf parallel capacitor. 3. Tolerance: includes set up tolerance, line regulation and load regulation. 4. If the input voltage is low, the output needs to be derated. For details, see the static characteristic diagram. 5. Length of setup time is measured at cold first start, Turning ON/OFF the power supply may lead to increase of the setup time.	

Static characteristic

Static characteristic



LED indicator light:

- 1, Normal output (Green on) (Red and Yellow off)
- 2, Over temperature (Yellow on) (Red and Green off)
- 3, Output overcurrent (Red flashes) (Yellow and Green off)
- 4, Ouput overvoltage (Red flashes Yellow flashes) (Green off)
- 5, Output short circuit (The red is steady on.) (Yellow and Green off)
- 6, Grid abnormal (Yellow flashes) (Red and Green off)

安装尺寸图:

