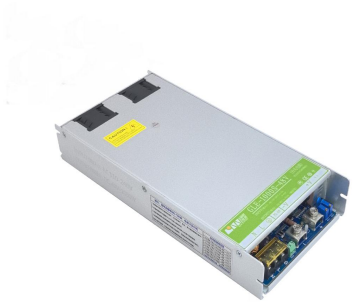
GLE-1000S SERIES



Product features:

International universal full-range AC input

The key devices are well-known brands at home and abroad

Low standby power consumption, high efficiency, long life and high reliability

With active PFC power factor correction

Miniaturization and 1U low height (40mm), ultra-thin design

Protection type: short circuit/over load/over voltage/over temperature

110-240V wide voltage input (no switching required)

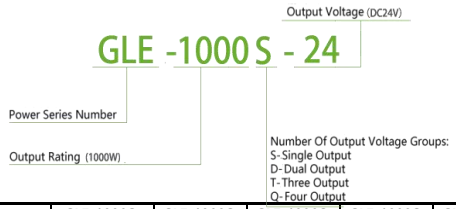
Constant voltage and constant current characteristics

Product Description:

GLE-1000 series is a 1000W single output enclosed power supply with 40mm low profile design, 110VAC or 240VAC input (selectable by switch), the whole series provides 24V, 36V, 42V, 48V, 60V, 72V, 110V, 150V, this series has complete protection function and 5G vibration resistance; and has super high efficiency, compact housing design, good heat dissipation, to ensure that this series can work stably for a long time, providing a cost-effective solution for various industrial applications. This series has complete protection function and anti-5G vibration capability; and has super high efficiency, compact housing design, good heat dissipation, which guarantees that this series of products can work stably for a long time, providing a cost-effective solution for various industrial applications.

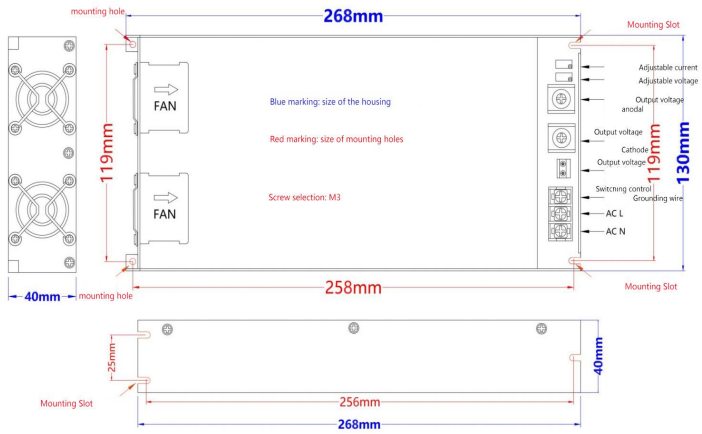
Model Naming Rules:

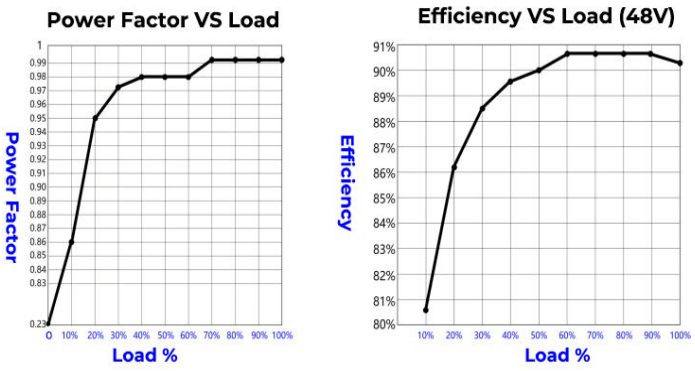
AC/DC Single Output:



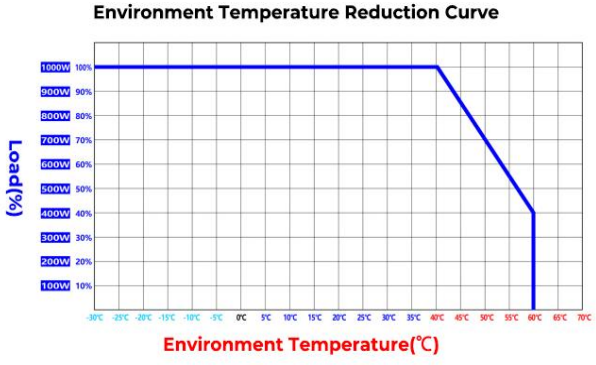
Model		GLE-1000S-24V	GLE-1000S-36V	GLE-1000S-42V	GLE-1000S-48V	GLE-1000S-60V	GLE-1000S-72V	GLE-1000S-110V	GLE-1000S-150V
Serial Number		GLE AC/DC							
Specifications And Models		1000S-24	1000S-36	1000S-42	1000S-48	1000S-60	1000S-72	1000S-110	1000S-150
Output Characteristics	DC Output Voltage	24V	36V	42V	48V	60V	72V	110V	150V
	Rated Output Current	41.7A	27.8A	23.8A	20.8A	16.7A	14A	9.1A	6.7A
	Maximum Output Current	48A	33A	27A	24A	19A	16A	10.4A	7.3A
	Rated Output Power	1000W	1000W	1000W	998W	1002W	1008W	1001W	1005W
	Overall Efficiency	89%	90%	90%	90%	90.6%	90.7%	91.0%	91%
	Ripple (at full load)	180mv	200mv	200mv	200mv	230mv	250mv	300mv	350mv
	Linear Adjustment Rate	±1%							
	Load Adjustment Rate	±1.5%							
	Voltage Accuracy	±3%							
	Start-up/Rise/Hold Time	3S,60ms/230VAC 8S/60ms/110VAC 8ms/230VAC							
	Output Wiring Method	M6 riveted terminal nut holder 1 each for positive and negative poles, need to use the power supply matching copper terminal wiring							

Input Characteristics	**Input Voltage**	AC 110-240V (wide voltage adaptive, no need to switch between 110V and 220V)
	Input Frequency	47-63HZ
	Input Current (max.)	1000W output at full load, 5A when using 220VAC input 1000W output at full load, 11A when using 110VAC input
	Power factor (PF value)	Power supply 100% full load, power factor PF value ≥ 0.99
	Input Wiring Method	HB-9500 9.5mm Pitch, PCB Grid Type Terminal Block 3 Positions with Protective Cover
	Surge Current	230Vac/40A 110Vac/22A
Environmental Characteristics	**Working Temperature**	'-25℃~+45℃, over-temperature need to lower load use
Safety Characteristics	**Withstand Resistance**	I/P-O/P，I/P-FG，0/P-FG：100M Ohms/500VDC/25℃/70%RH
	Leakage Current	≤0.35mA/AC220V
	Compressive	Input to output: 3000VAC Input to ground: 1500VAC Between output and enclosure: 500VAC
Design Standard	**Safty Standard**	The design conforms to GB4943. EN 62368-1 UL 62368-1
	EMC Standard	Designed to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
Functionality	**PS-ON**	PS-ON terminal short circuit: power off output voltage PS-ON terminal open: turns on the output voltage (this terminal is open by default) Description: PS-ON function can control the power supply output voltage on and off, in the output voltage off, the power supply is in a low-power standby state (Less than 10W), only the internal auxiliary power supply circuit is working, the cooling fan will run normally, and is not disconnecting the power supply from the 220V input.
	Output Voltage Regulation	Output current is adjustable throughout the whole process, manually adjusted by ADJI potentiometer, when the load reaches the current setting value, the power supply outputs constant current.
	Output Current Adjustment	Output current can be adjusted, ADJ-A potentiometer manually adjusted, when the load reaches the current setting value, constant current output (output current remains unchanged, output voltage decreases with the increase of the load)
Protective Function	**Output Overvoltage Protection**	115% of the maximum output voltage cuts off the output, locks after overvoltage protection, and will not recover automatically. It needs to be powered off and then powered on again.
	Output Short Circuit Protection	No voltage is output when the output is short-circuited, and the output voltage is automatically restored after the short-circuit is lifted.
	Output Overload Protection	The overload protection mode is constant current limiting mode, which locks the output current value unchanged, and the output voltage decreases with the increase of load, and automatically recovers.
	Overheating Protection	The output voltage is turned off when the temperature of the heat sink of the PWM transistor reaches 85°C ±5%, and is automatically restored when the temperature drops to 75°C ±5%.
Other Parameters	**Fan Noise Value**	In an indoor environment of about 20-25 decibels, when two fans rotate at full speed, about 37 decibels are measured at a position 50cm away from the power supply.
	Quality Assurance	2-year warranty
	Cooling Mode	fan cooling
	Net Weight	1.4kg
	Gross Weight	1.668kg
	Installation Mode	Vertical/horizontal installation

Measure	**Outline Dimension**	268*130*40mm
	Packing Size	328*177*84mm
	Installation Size	
	Application	Household appliances Information industry Industrial control Production and manufacturing industry Electrical apparatus Instruments and meters
	Note	Pay attention to ventilation and heat dissipation when using, not to install the power supply in a fully sealed box, the power supply's cooling vents and fan inlet location can not be blocked by objects.



Measured at 230V AC input voltage



Lynn Power

GLE-2000S SERIES

Lynn Electronic Technology(Jiangsu) Co.,Ltd.

Quality power supply carefully created

Product features:

International universal full-range AC input

The key devices are well-known brands at home and abroad

With active PFC power factor correction

Protection type: short circuit/over load/over voltage/over temperature

High PF value, low harmonics, high efficiency

110-240V wide voltage input (no switching required)

Constant voltage and constant current characteristics

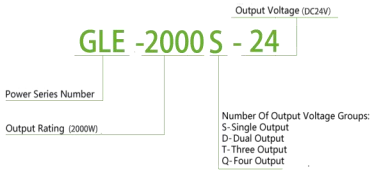
Full power, no false labeling, can continue to use full power

Product Description:

GLE-2000 series is a 2000W single output enclosed power supply with 110VAC or 240VAC input (selectable by switch), the whole series provides 24V, 36V, 48V, 60V, 72V, 110V. This series has complete protection and 5G vibration resistance; and it has a high efficiency, compact housing design and good heat dissipation to ensure that this series can work stably for a long time, providing a cost-effective solution for various industrial applications. efficiency, compact housing design, good heat dissipation, to ensure that this series of products can work stably for a long time, for a variety of industrial applications provides a cost-effective solution.

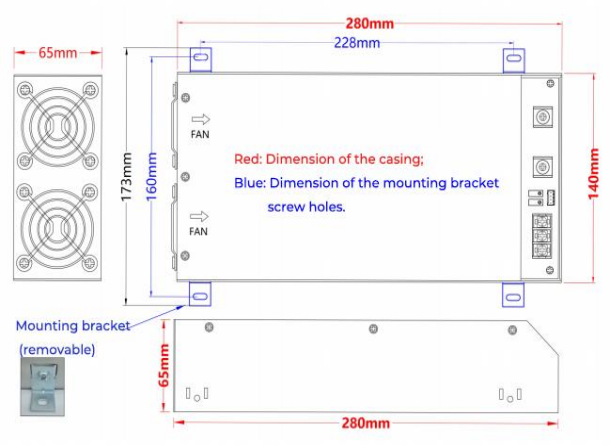
Model Naming Rules:

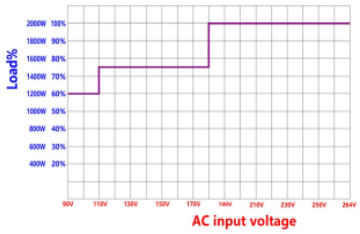
AC/DC Single Output:

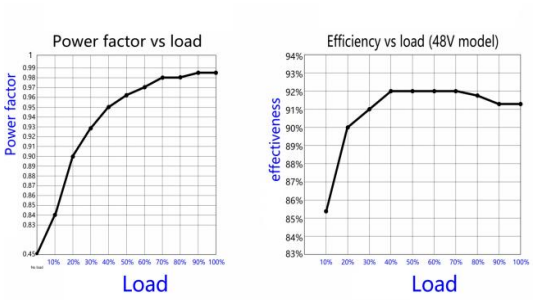


Model			GLE-2000S-24V	GLE-2000S-36V	GLE-2000S-42V	GLE-2000S-48V	GLE-2000S-60V	GLE-2000S-72V	GLE-2000S-110V	GLE-2000S-150V
Serial Number			GLE AC/DC							
Specifications And Models			2000S-24	2000S-36	2000S-42	2000S-48	2000S-60	2000S-72	2000S-110	2000S-150
Output Characteristics	DC Output Voltage		24V	36V	42V	48V	60V	72V	110V	150V
	AC220V input	Rated Output Current	83.3A	55.6A	47.6A	41.7A	33.3A	27.8A	18.2A	13.3A
		Rated Output Power	2000W							
		Overall Efficiency	88.5%	89.6%	91.0%	91.0%	91.3%	91.3%	91.6%	92%
	AC110V input	Rated Output Current	62.5A	41.7A	35.7	31.2A	25A	20.8A	13.6A	10A
		Rated Output Power	1500W							
		Overall Efficiency	86.0%	87.0%	88.5%	88.5%	89.0%	89.0%	89.0%	88.80%
		Tip: When using AC110V input, you need to reduce the output power to 1500W.								
	Ripple (at full load)		220mv	230mv	210mv	220mv	230mv	260mv	250mv	280mv
	Adjustable Range		32V	48V	64V	64V	80V	94V	156V	195V
	Linear Adjustment Rate		±1.0%							
	Load Adjustment Rate		±0.5%							
	Voltage Accuracy		±3%							
	Start-up/Rise Time		8S/20ms (AC110V,Full load)							
	Drop Hold Time		8ms /230V(100% load)							
	Output Wiring Method		Copper strip terminal block, M5 nut holder, positive and negative poles have 1 each, need to use the power supply matching copper terminal wiring.							
	1. This parameter of efficiency is measured under 100% full load conditions, and the efficiency is not a constant value.									
	2. Ripple and noise measurement method: use a 12" twisted pair cable, while the terminal to be connected in parallel with 0.1uf and 47uf capacitors, oscilloscope bandwidth is limited to 20MHZ for measurement.									

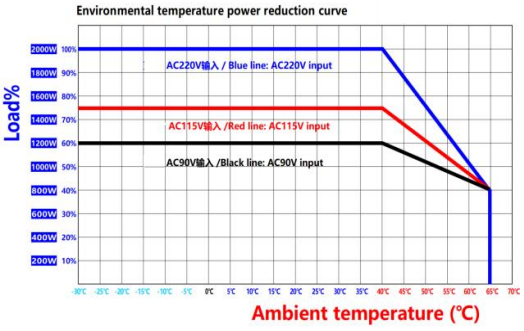
Input Characteristics	**Input Voltage**	AC 110-240V
	Input Frequency	47-63HZ
	Input Current (max.)	Full load 2000W output, 10A when using 220VAC input; full load 1500W output, 15A when using 110VAC input (when using 110V input, the maximum power is limited to 1500W).
	Standby Power	14W
	Power factor (PF value)	Power supply 100% full load, power factor PF value ≥ 0.98
	Input Wiring Method	3Pin K78 type 14mm PCB grid terminal block with protective cover
	Surge Current	220Vac/45A 110Vac/22A（cold）
Environmental Characteristics	**Working Temperature**	'-30℃~+35℃@100%
	Operating Humidity	20%~90%RH(No condensation)
	Storage Temperature	-40℃~+55℃
	Altitude	For use within 2000 meters altitude only
Safety Characteristics	**Withstand Resistance**	I/P-O/P，I/P-FG，0/P-FG：100M Ohms/500VDC/25℃/70%RH
	Leakage Current	≤0.35mA/AC220V
	Compressive	Input to output: 3000VAC Input to ground: 1500VAC Between output and enclosure: 500VAC
Design Standard	**Safty Standard**	The design conforms to GB4943. EN 62368-1 UL 62368-1
	EMC Standard	The design conforms to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
Functionality	**PS-ON**	PS-ON terminal short circuit: power off output voltage PS-ON terminal open: turns on the output voltage (this terminal is open by default) Description: PS-ON function can control the power supply output voltage on and off, in the output voltage off, the power supply is in a low-power standby state (standby power 10W), only the internal auxiliary power supply circuit is working, the cooling fan will run normally, and is not disconnecting the power supply from the 220V input.
	Output Voltage Regulation	The output voltage is adjustable; the potentiometer V can be adjusted manually.
	Output Current Adjustment	The output current is adjustable and can be manually adjusted using potentiometer V. It provides constant current output when the load reaches the set current value.
	485 News dispatch	with 485 communication capabilities
Protective Function	**Output Overvoltage Protection**	To shut off the output at approximately 130% of its maximum output voltage, the input power supply must be disconnected, and power must be restored after at least 5 seconds.
	Output Short Circuit Protection	Brief, momentary short circuit: Power off, automatically recovers after 3 seconds. Prolonged, continuous short circuit: Power off, attempts to restart every 3 seconds (hiccup mode).
	Output Overload Protection	1. Overload protection is in constant current limiting mode. When the output is overloaded, the power supply enters constant current mode, maintaining the maximum output current value and preventing overcurrent output. The output voltage decreases as the load increases (Note: This power supply does not have short-time peak current OPP and will not output overcurrent). 2. When a load of approximately 3 times the power is connected, it will exceed the power supply's overload constant current limiting range. At this point, a short circuit is detected, the power supply shuts down, and restarts every 2-3 seconds (hiccup mode).
	Intput undervoltage Protection	When the AC input voltage is below 178V, the output current is automatically limited to 1500W. When the input voltage is below 100V, the output current is automatically limited to 1200W. When the input voltage is below 85V, undervoltage protection activates, and the device will not power on.
	Fan fails Protection	If either of the two cooling fans is not spinning, or no fan is detected, the power supply has no output voltage, and the computer will not power on.
	Overheating Protection	1. Overheat protection shutdown (When the temperature detection point reaches the high-temperature protection set value, the power supply shuts down and automatically resumes operation after the temperature drops). 2. Automatic load reduction in high-temperature environments (The power supply monitors the ambient temperature in real time. When the ambient temperature is too high, the output current is automatically limited, reducing the output power). The temperature derating function will not be activated if the ambient temperature is below 50°C. At ambient temperatures of 50-60°C, the output current is automatically limited to 80% of the power. At ambient temperatures of 60-70°C, the output current is automatically limited to 50% of the power. If the ambient temperature exceeds 70°C, the power supply shuts down and automatically resumes operation when the temperature drops below 50°C.
Other Parameters	**Fan Noise Value**	In an indoor environment of about 20-25 decibels, when two fans rotate at full speed, about 45 decibels are measured at a position 1m away from the power supply.
	Quality Assurance	2-year warranty
	Cooling Mode	fan cooling
	Net Weight	2.3kg
	Gross Weight	2.54kg
	Installation Mode	Vertical/horizontal installation

Measure	**Outline Dimension**	280*140*65mm
	Packing Size	285*250*70cm
	Installation Size	
	Application	Household appliances Information industry Industrial control Production and manufacturing industry Electrical apparatus Instruments and meters





The above parameters are measured at AC230V input voltage



GLE-3000S SERIES

Product features:

International universal full-range AC input

The key devices are well-known brands at home and abroad

With active PFC power factor correction

Protection type: short circuit/over load/over voltage/over temperature

High PF value, low harmonics, high efficiency

110-240V wide voltage input (no switching required)

Constant voltage and constant current characteristics

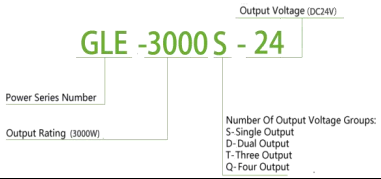
Full power, no false labeling, can continue to use full power

Product Description:

GLE-3000 series is a 3000W single output enclosed power supply with 110VAC or 240VAC input (selectable by switch), the whole series provides 24V, 36V, 48V, 60V, 72V, 110V. This series has complete protection and 5G vibration resistance; and it has a high efficiency, compact housing design and good heat dissipation to ensure that this series can work stably for a long time, providing a cost-effective solution for various industrial applications. efficiency, compact housing design, good heat dissipation, to ensure that this series of products can work stably for a long time, for a variety of industrial applications provides a cost-effective solution.

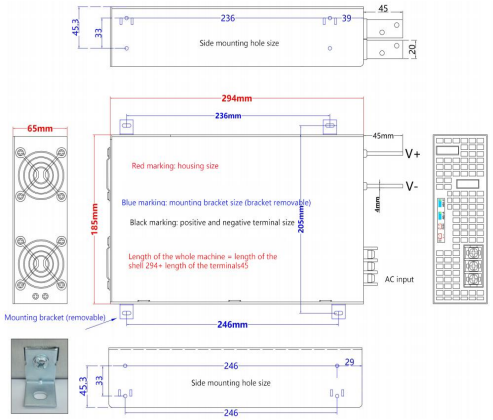
Model Naming Rules:

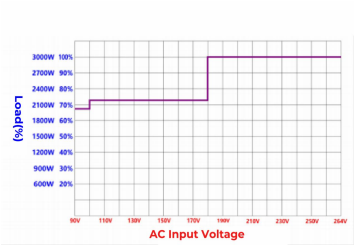
AC/DC Single Output:

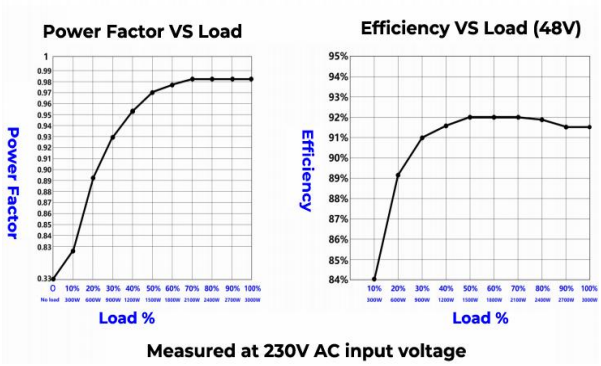


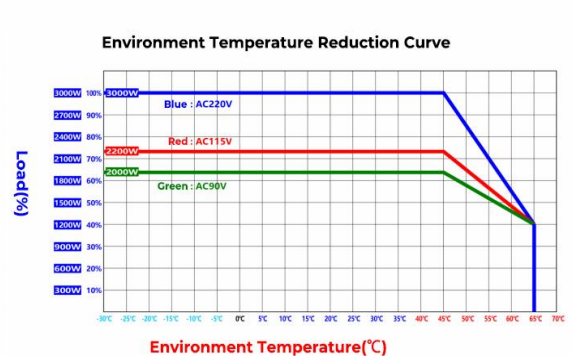
Model			GLE-3000S-24V	GLE-3000S-36V	GLE-3000S-48V	GLE-3000S-60V	GLE-3000S-72V	GLE-3000S-110V
Serial Number			GLE AC/DC					
Specifications And Models			3000S-24	3000S-36	3000S-48	3000S-60	3000S-72	3000S-110
Output Characteristics	DC Output Voltage		24V	36V	48V	60V	72V	110V
	AC220V input	Rated Output Current	125A	83.3A	62.5A	50A	41.6A	27.3A
		Rated Output Power	3000W					
		Overall Efficiency	89%	90.6%	91.6%	92%	92.3%	93.2%
	AC110V input	Rated Output Current	91.7A	61.1A	45.8A	36.7A	30.6A	20A
		Rated Output Power	2200W					
		Overall Efficiency	87.2%	88.5%	89.5%	90.0%	90.6%	91.3%
		Tip: When using AC110V input, you need to reduce the output power to 2200W.						
	Ripple (at full load)		170mv	180mv	200mv	220mv	230mv	300mv
	Adjustable Range		14-24.5V	21-36.5V	27-48.5V	34-60.5V	41-72.5V	62-111V
	Linear Adjustment Rate		±1.0%					
	Load Adjustment Rate		±0.5%					
	Voltage Accuracy		±3%					
	Start-up/Rise Time		8S/60ms (AC110V, fulln load)					
	Drop Hold Time		8ms (100% load)					
	Output Wiring Method		Copper strip terminal block, M5 nut holder, positive and negative poles have 1 each, need to use the power supply matching copper terminal wiring.					
	1. This parameter of efficiency is measured under 100% full load conditions, and the efficiency is not a constant value.							
	2. Ripple and noise measurement method: use a 12" twisted pair cable, while the terminal to be connected in parallel with 0.1uf and 47uf capacitors, oscilloscope bandwidth is limited to 20MHZ for measurement.							

Input Characteristics	**Input Voltage**	AC 110-240V (wide voltage adaptive, no need to switch between 110V and 220V) DC 155-340V
	Input Frequency	47-63HZ
	Input Current (max.)	Full load 3000W output, 16A when using 220VAC input; full load 2500W output, 26A when using 110VAC input (when using 110V input, the maximum power is limited to 2200W).
	Standby Power	10W (including two 3W cooling fans and built-in 2W load resistor)
	Power factor (PF value)	Use AC220V input， power supply 100% full load, power factor PF value ≥ 0.97 Use AC110V input，power supply 100% full load, power factor PF value ≥ 0.98
	Input Wiring Method	3Pin K78 type 14mm PCB grid terminal block with protective cover
	Surge Current	220Vac/60A 110Vac/33A（cold）
Environmental Characteristics	**Working Temperature**	'-30℃~+35℃@100%
	Operating Humidity	20%~90%RH(No condensation)
	Storage Temperature	-40℃~+55℃
	Altitude	For use within 2000 meters altitude only
Safety Characteristics	**Withstand Resistance**	I/P-O/P，I/P-FG，0/P-FG：100M Ohms/500VDC/25℃/70%RH
	Leakage Current	≤0.35mA/AC220V
	Compressive	Input to output: 3000VAC Input to ground: 1500VAC Between output and enclosure: 500VAC
Topology	**PFC**	Staggered boost
	PWM	Staggered Parallel Dual Tube Forward
Design Standard	**Safty Standard**	The design conforms to GB4943. EN 62368-1 UL 62368-1
	EMC Standard	The design conforms to EN 55032.ClassC EN61000-3-2,3 EN61000-4-2,3,4,5,6,8,11
Functionality	**PS-ON**	PS-ON terminal short circuit: power off output voltage PS-ON terminal open: turns on the output voltage (this terminal is open by default) Description: PS-ON function can control the power supply output voltage on and off, in the output voltage off, the power supply is in a low-power standby state (standby power 10W), only the internal auxiliary power supply circuit is working, the cooling fan will run normally, and is not disconnecting the power supply from the 220V input.
	Output Voltage Regulation	Output voltage adjustable section, ADJ-V potentiometer manual adjustment or external 0-5V or 0-10V adjustable output voltage (need to be modified)
	Output Current Adjustment	Output current can be adjusted, ADJ-A potentiometer manually adjusted, when the load reaches the current setting value, constant current output (output current remains unchanged, output voltage decreases with the increase of the load)
	Auxiliary Voltage Output	The unit provides a 12V-300MA auxiliary voltage output
Protective Function	**Output Overvoltage Protection**	115%-120% of the maximum output voltage cuts off the output and does not recover automatically, it has to be re-powered to recover.
	Output Short Circuit Protection	No voltage is output when the output is short-circuited, and the output voltage is automatically restored after the short-circuit is lifted.
	Output Overload Protection	The overload protection mode is constant current limiting mode, which locks the output current value unchanged, and the output voltage decreases with the increase of load, and automatically recovers.
	Overheating Protection	The output voltage is turned off when the temperature of the heat sink of the PWM transistor reaches 85℃ ±5%, and is automatically restored when the temperature drops to 75℃ ±5%.
Other Parameters	**Fan Noise Value**	In an indoor environment of about 20-25 decibels, when two fans rotate at full speed, about 55 decibels are measured at a position 50cm away from the power supply.
	Quality Assurance	2-year warranty
	Cooling Mode	fan cooling
	Net Weight	3.54kg
	Gross Weight	3.89kg
	Installation Mode	Vertical/horizontal installation

Measure	**Outline Dimension**	294*185*65mm
	Packing Size	430*245*130cm
	Installation Size	
	Application	Household appliances Information industry Industrial control Production and manufacturing industry Electrical apparatus Instruments and meters







Lynn Power
GLE-4000S SERIES

Lynn Electronic Technology(Jiangsu)Co.,Ltd.
Quality power supply carefully created

Product features:

With active PFC (Power Factor Correction) function

High PF (Power Factor) value, low harmonics, and high efficiency

Multilayer printed circuit board (4-layer printed circuit board, PCB)

Constant - voltage and constant - current characteristics

Full power output, and it can be used continuously at full power

Under-voltage/over-voltage/short-circuit/high-temperature/overload/fanfailure protection

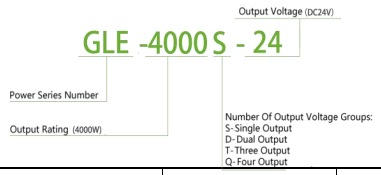
Complies with EMC Conduction/RadiationClass A standards

Product Description:

GLE-4000 series is a 4000W single output enclosed power supply with 180-264V input (selectable by switch), the whole series provides 24V, 36V, 42V,48V,60V. This series has complete protection and 5G vibration resistance; and it has a high efficiency, compact housing design and good heat dissipation to ensure that this series can work stably for a long time, providing a cost-effective solution for various industrial applications. efficiency, compact housing design, good heat dissipation, to ensure that this series of products can work stably for a long time, for a variety of industrial applications provides a cost-effective solution.

Model Naming Rules:

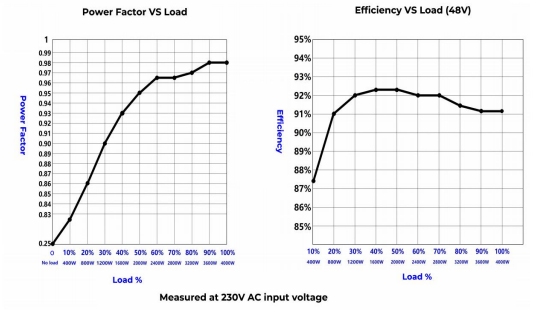
AC/DC Single Output:

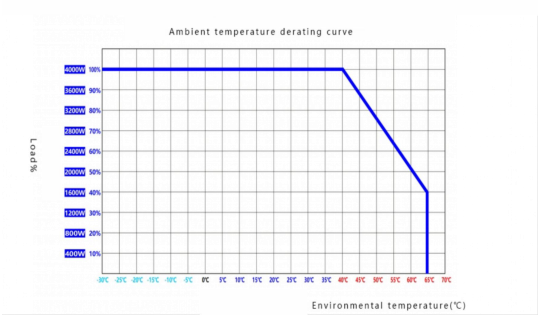


Model		GLE-4000S-24V	GLE-4000S-36V	GLE-4000S-42V	GLE-4000S-48V	GLE-4000S-60V
Serial Number		GLE AC/DC				
Specifications And Models		4000S-24	4000S-36	4000S-42	4000S-48	4000S-60
Output Characteristics	DC Output Voltage	24V	36V	42V	48V	60V
	Rated Output Current	166.7A	111A	95.2A	83.3A	66.6A
	Rated Output Power	4000W	3996W	3998W	3998W	3996W
	Overall Efficiency	89%	90.0%	91.0%	91.5%	92.0%
	Output Voltage Adjustment Range	17-25V	25-36.5V	29-43V	33-48.5V	41-61V
		Note: When the output voltage is lowered, the maximum output current remains unchanged, and the power will decrease (Power = Voltage × Current).				
	Ripple (at full load)	220mv	280mv	310mv	320mv	380mv
	Maximum Capacitive Load	40000uF	30000uF	22000uF	20000uF	15000uF
	Output over - voltage Protection Point	32V	48V	64V	64V	80V
		Note: After the overvoltage protection is triggered, it will be locked and the output voltage will be cut off. You need to cut off the power supply and wait for at least 5 seconds, and then power it on again to restore the normal state.				
	Load Adjustment Rate	±1%				
	Voltage Accuracy	±3%				
	Start-up/Rise Time	3S/60ms (When the input is AC 220V and it is under full load condition)				
	Hold Time	8ms (At full load)				
	Output Wiring Method	Copper strip terminal, M5 nut holder 1 each for positive and negative poles, need to use the copper terminal of the power supply matching wiring				
	1. This parameter of efficiency is measured under 100% full load conditions, and the efficiency is not a constant value.(Refer to the following efficiency VS load graph)					
	2. Ripple and noise measurement method: use a 12" twisted pair cable, while the terminal to be connected in parallel with 0.1uf and 47uf capacitors, oscilloscope bandwidth is limited to 20MHZ for measurement.					

Input Characteristics	**Input Voltage Range**	220 - 240VAC		
	Frequency Range	47-63HZ		
	Input Current (max.)	4000W output at full load, 21A when using 220VAC input		
	Leakage Current	≤2.6MA/AC230V		
	Power factor (PF value)	Power factor PF value ≥ 0.97 at 100% full load (refer to the PF value curve in the figure below)		
	Input Wiring Method	3Pin K78 type 14mm PCB grid terminal block with protective cover		
	Surge Current	Cold start 220VAC/55A		
Functionality	**PS-ON**	PS-ON terminal short circuit: power off output voltage PS-ON terminal open: turns on the output voltage (this terminal is open by default) Description: PS-ON function can control the output voltage of the power supply on and off, in the output voltage off, the power supply is in a low-power standby state (standby power 10W), the internal auxiliary power supply and PFC circuits are working, the cooling fan will run normally, and is not disconnecting the power supply of the 220V input.		
	Output Voltage Regulation	Output voltage adjustable section, ADJ-V potentiometer manual adjustment, the adjustment range see the above table in the parameters.		
	Output Current Adjustment	Output current can be adjusted, ADJ-A potentiometer manually adjusted, when the load reaches the current setting value, constant current output (output current remains unchanged, output voltage decreases with the increase of the load)		
	Auxiliary Voltage Output	The unit provides a 12V-0.3A auxiliary voltage output		
Protective Function	**Fan Stall Protection**	Either one of the 2 cooling fans does not rotate, or the fan is not detected, the power supply has no output voltage and does not turn on.		
	Overheating Protection	When the internal temperature of the power supply overheats and exceeds the set temperature protection value, overheating protection will be activated and the output voltage will be shut off, (after the temperature drops, it will be restored automatically).		
	Input Undervoltage Protection	When the input voltage is lower than AC175V, the power supply has no output and does not turn on.		
	Output Overvoltage Protection	Over-voltage protection locks up and shuts down the output voltage and does not recover automatically (refer to the over-voltage point parameters in the table above) After troubleshooting, disconnect the power supply from the input and wait for at least 5 seconds before re-powering up the unit.		
	Output Overload Protection	1. overload protection mode for constant current limiting mode, when the output is overloaded, the power supply enters the constant current mode to keep the maximum output current value unchanged, will not overcurrent output, the output voltage decreases with the increase of the load (Note: This power supply does not have a short-time peak current OPP, will not overcurrent output). 2. When connected to a load of about 2.5 times the power, it will exceed the range of the power supply's overload constant current limit, which is equivalent to a short circuit, the power supply will shut down and restart once every 3 seconds (hiccup mode).		
	Output Short Circuit Protection	Short time momentary short circuit: power supply shuts down and automatically recovers after 3 seconds. Continuous short-circuit for a long time: the power supply shuts down and tries to restart every 3 seconds (hiccup mode).		
Electromagnetic Interference	**Conducted**	CISPR32/EN55032	150kHz—30MHz	CLASS A
	Radiated	CISPR32/EN55032	30MHz—1GHz	CLASS A
	Harmonic Current	IEC/EN61000-3-2		CLASS A
	Voltage Flicker	IEC/EN61000-3-3		
Electromagnetic Sensitivity	**ESD**	IEC/EN61000-4-2 Contact ±4KV/Air ±8KV		perf. Criteria A
	Radiated Susceptibility	IEC/EN61000-4-3 3V/m		perf. Criteria A
	EFT/Bures	IEC/EN61000-4-4 ±2KV		perf. Criteria A
	Surge	IEC/EN61000-4-5 line to line ±2KV/line to ground ±4KV		perf. Criteria A
	Conducted Susceptibility	IEC/EN61000-4-6 10Vr.m.s		perf. Criteria A
	Voltage Dips and interruptions	IEC/EN61000-4-11	70% Un* , 25/30 Period (50/60Hz) 40% Un* , 10/12 Period (50/60Hz) 0% Un* , 1 Period	perf. Criteria B
	1. The power supply should be regarded as a part of the components in the electrical equipment, belonging to the accessories, not as independent equipment. 2; 2. When doing the radiation test, the test sample should be placed on a metal plate of 80cm long, 60cm wide and 2mm thick, and the power supply should be matched with the load terminal equipment for the overall EMC related test.			
Insulation impedance	I/P-O/P,I/P-FG,0/P-FG:100M Ohms /500VDC /25℃/70%RH			
Pressure Resistance	Inputs and outputs: 2500VAC Input to ground: 1500VAC Output to ground: 500VAC			

Matrix	**Operating Temperature**	100% full power is available from -30 to -40°C. Above this temperature range, the power should be reduced (refer to the temperature derating curves below).
	Operating Humidity	20-90%RH Non-condensing
	Temperature Coefficient	±0.05%/℃ (0 ~ 50℃)
	Storage Temperature, Humidity	'-40~+55℃, 20-90%RH No condensation
	Vibration Resistance	10 ~ 500Hz, 2G 10 min/cycle, 60 min each X, Y, Z axis
	Altitude	For use within 2500 meters altitude only.
Other Parameters	**Heat Dissipation Method**	Built-in fan cooling, temperature-controlled automatic speed control, 2 fans (dual ball fans), internal blowing mode.
	Fan Noise Value	In an indoor environment of about 20-25 dB, with 2 fans rotating at full speed, at a distance of 1 meter from the power supply, about 50 dB were measured.
	Enclosure Size	L 294mm (terminal block extends out 45mm) * W 185mm * H 65mm
	Packing Size	4 units in 1 box (box size L:57CM W:45CM H:26CM)
	Quality Assurance	2-year warranty
	Net Weight	3.8kg (bare metal not including packaging and accessories)
	Mounting Fixing Holes	(Horizontal mounting) Distance between lengths: 236mm Distance between widths: 205mm (Refer to the dimension drawing) Use the matching mounting bracket (with M3 screws).
Remark	Pay attention to the ventilation and heat dissipation when using, can not be installed in the fully enclosed box inside, the power supply cooling outlet and fan inlet location can not be blocked by objects; Used in high temperature environment, or installed in a small space that is not conducive to heat dissipation and inside the fully enclosed case, may lead to power supply high temperature protection shutdown; Indoor use only, this power supply is not rainproof, waterproof, dustproof, and is not suitable for outdoor use in oily and dusty environments; Multiple power outputs cannot be connected in parallel to increase power usage (no active current equalization or redundancy); The ambient temperature decreases every 5°C/1000m when the altitude exceeds 2000 meters (6500 feet).	
Application	Household appliances Information industry Industrial control Production and manufacturing industry Electrical apparatus Instruments and meters	





Dimensional drawing of the housing