

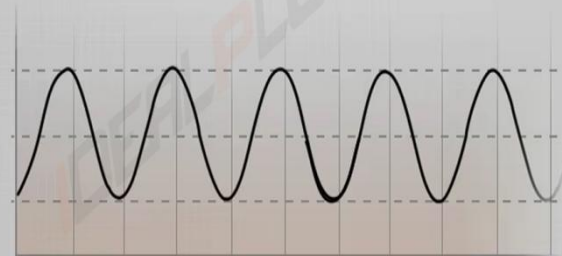
19-Inch Rack Mount DC-AC Power Inverter Introduction

19inch Rack Mount Inverter

We provide customized services
Contact us



Excellent material Unattended operation Security protection High reliability



PURE SINE WAVE

The AC waveform output by our pure sine wave inverter is highly consistent with the AC waveform of the mains power grid, with extremely low distortion, and can provide stable and pure power for communication equipment. This high-quality power can reduce voltage fluctuations and electromagnetic interference, ensuring the stable operation of communication equipment.

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1.INTRODUCTION

1	The pure sine wave inverter is specially designed for electricity and communication systems.
2	It is a conversion device that converts electricity from the mains city ac voltage or batteries dc voltage to an continuous and purified AC power apply for computers and other electrical equipment
3	To prepare for the instability of the city electricity and power cuts. It also prevents various distortions of utility power, such as power supply voltage drop, surge voltage, spike voltage, and broadcast frequency interference.
4	This inverter is a new generation of dual input inverter solution designed for the field of communication applications, which is suitable for the high reliability of the communication system.
5	The solution is equipped with a 110V/220V/230V AC power supply and a 220V DC power supply, which fills the gap between the traditional UPS power supply and common 5600W pure sine wave inverter solutions.
6	It uses a novel design structure that helps users to provide clean, stable, and durable AC power for critical loads, and has the same high reliability as the DC power supply system.
7	The design characteristics of the dedicated communication ensure the seamless conversion between the AC and DC power supply, almost no conversion delay, and no need to use the static switch.

2.FEATURE

1	AC input startup available: the system could power on with the mains supply 110/120/220/230/240VAC input if there is no DC input;
2	Unattended operation: the system switches automatically to provide 110/120/220/230/240VAC to the load between the DC input and AC input;
3	Safety protection: DC input polarity converse, over/low voltage, short-road, over-load, over temperature, and inverting malfunction;
4	Converse current control: not disturb another communication device in the same DC cabinet;
5	DC-dominated Mode: the inverter is providing AC 220V to the load normally, and automatically switches to bypass AC 220V input if a DC input fault occurs.
6	AC-dominated Mode: the inverter is on standby, the bypass is providing AC 110/120/220/230/240VAC to the load normal, and the load will switch to the inverter automatically if the bypass AC 110/120/220/230/240VAC input fault occurs;
7	Maintenance bypass is available for battery replacement:
8	5 groups of passive dry contacts respectively for DC input fault, AC input fault, overload information, by-pass information, and output fault ;(Standard configuration)
9	Independent RS485 communication interfaces to monitor and manage the device in real-time; (Standard configuration)
10	Support built-in TCP/IP interface to monitor and manage the device; (Optional)
11	Support built-in SNMP TCP/IP interface to monitor and manage the device (Optional).

3.CUSTOMIZED RANGE

Input & Output voltage	Capacity
① 120VAC OUTPUT DESIGN	
24VDC-120VAC	1-5KVA
48VDC -120VAC	1-6KVA
110VDC -120VAC	1-6KVA
② 220VAC OUTPUT DESIGN	
24VDC-220VAC	1-5KVA
48VDC -220VAC	1~10KVA
110VDC -220VAC	1~12KVA
220VDC-220VAC	1~15KVA

4.24VDC-110VAC/120VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING											
Model(IPS-DTA**)		500-241-E1 U	500-241-C1 U	500-241-2U	1000-241-E 1U	1000-241-C1 U	1000-241-2 U	2000-241-E1 U	2000-241-C1 U	2000-241-2 U	3000-241-2 U	4000-241-4U	5000-241-4U
Rate Capacity(KVA)		0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA
Rate power(W)		400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W
Indication	Display	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD
	Status	Normal mains, normal inversion, battery under-voltage and output overload											
Size(mm)	Standard	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 2U	19inch 4U	19inch 4U
	19inc rack	482*300*44	482*300*44	482*335*88	482*300*44	482*300*44	482*335*88	482*300*44	482*300*44	482*335*88	482*368*88	482*440*177	482*440*177
Weight	Net/Gross	5KG/6KG	5KG/6KG	8KG/10KG	5KG/6KG	5KG/6KG	8KG/10KG	5KG/6KG	5KG/6KG	8KG/10KG	9KG/11KG	25KG/30KG	26KG/31KG
DC Input	Rate input voltage	24VDC											
	Rate input Current	16A	16A	16A	38A	38A	38A	76A	76A	76A	117A	156A	196A
	Working voltage range	20-30.5VDC											

	Start-up voltage range	21.5~29.5VDC											
	Reflect noise current	≤10%											
AC Input	Bypass voltage	110/120VAC											
	Switch time	≤5ms											
AC Output	Rated capacity	0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA
	Rated output power	400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W
	Inverter output voltage	110/120VAC											
	Output voltage precision	110/120VAC±10VAC											
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional											
	Waveform	Pure sine wave											
	Total harmonic distortion (THD)	≤3% (linear load)											
	Dynamic response time	5% (load 0←→100%)											
	Power factor (PF)	0.8											
	Overload capacity	100%-120% 60s 121%-150% 10s											
	Inversion efficiency (80%)	≥85%											

	resistive load)	
	By-pass conversion time (ms)	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.

5.24VDC-220VAC/230VAC/230VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING											
Model(IPS-DTA**)		500-242-E1 U	500-242-C1 U	500-242-2U	1000-242-E 1U	1000-242-C1 U	1000-242-2 U	2000-242-E1 U	2000-242-C1 U	2000-242-2 U	3000-242-2 U	4000-242-4U	5000-242-4U
Rate Capacity(KVA)		0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA
Rate power(W)		400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W
Indication	Display	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD
	Status	Normal mains, normal inversion, battery under-voltage and output overload											
Size(mm)	Standard	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 2U	19inch 4U	19inch 4U
	19inc rack	482*300*44	482*300*44	482*335*88	482*300*44	482*300*44	482*335*88	482*300*44	482*300*44	482*335*88	482*368*88	482*440*177	482*440*177
Weight	Net/Gross	5KG/6KG	5KG/6KG	8KG/10KG	5KG/6KG	5KG/6KG	8KG/10KG	5KG/6KG	5KG/6KG	8KG/10KG	9KG/11KG	25KG/30KG	26KG/31KG

DC Input	Rate input voltage	24VDC											
	Rate input Current	16A	16A	16A	38A	38A	38A	76A	76A	76A	117A	156A	196A
	Working voltage range	20-30.5VDC											
	Start-up voltage range	21.5~29.5VDC											
	Reflect noise current	≤10%											
AC Input	Bypass voltage	220/230/240VAC											
	Switch time	≤5ms											
AC Output	Rated capacity	0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA
	Rated output power	400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W
	Inverter output voltage	220/230/240VAC											
	Output voltage precision	220/230/240VAC±10VAC											
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional											
	Waveform	Pure sine wave											
	Total harmonic distortion (THD)	≤3% (linear load)											
	Dynamic response time	5% (load 0←→100%)											
	Power factor (PF)	0.8											
	Overload capacity	100%-120% 60s 121%-150% 10s											

	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.

6.48VDC-110VAC/120VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING														
Model(IPS-DTA**)		500-481-E1U	500-481-C1U	500-481-2U	1000-481-E1U	1000-481-C1U	1000-481-2U	2000-481-E1U	2000-481-C1U	2000-481-2U	3000-481-2U	4000-481-2U	5000-481-4U	6000-481-4U	8000-481-4U	
Rate Capacity(KVA)		0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA	
Rate power(W)		400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W	4800W	6400W	
Indication	Display	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD	
	Status	Normal mains, normal inversion, battery under-voltage and output overload														
Size(mm)	Standard 19inc rack	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 2U	19inch 2U	19inch 2U	19inch 4U	19inch 4U	19inch 4U
		482*300*44	482*300*44	482*335*88	482*300*44	482*300*44	482*365*88	482*300*44	482*300*44	482*365*88	482*365*88	482*365*88	482*365*88	520*390*10	520*390*10	520*390*10
Weight	Net/Gross	5KG/6KG	5KG/6KG	8KG/10KG G	5KG/6KG	5KG/6KG	9KG/11KG G	5KG/6KG	5KG/6KG	9KG/11KG G	9KG/11KG G	9KG/11KG G	25KG/30KG G	25KG/30KG G	26KG/31KG G	

DC Input	Rate input voltage	48VDC													
	Rate input Current	9.5A	9.5A	9.5A	19A	19A	19A	38A	38A	38A	57A	77A	98A	117A	156A
	Working voltage range	40-58.8VDC													
	Start-up voltage range	42-57VDC													
	Reflect noise current	≤10%													
AC Input	Bypass voltage	110/120VAC													
	Switch time	≤5ms													
AC Output	Rated capacity	0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA
	Rated output power	400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W	4800W	6400W
	Inverter output voltage	110/120VAC													
	Output voltage precision	110/120VAC±10VAC													
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional													
	Waveform	Pure sine wave													
	Total harmonic distortion (THD)	≤3% (linear load)													
	Dynamic response time	5% (load 0←→100%)													
	Power factor (PF)	0.8													
Overload	100%-120% 60s 121%-150% 10s														

	capacity	
	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.

7.48VDC-220VAC/230VAC/240VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING														
Model(IPS-DTA**)		500-482-E1U	1000-482-E1U	1000-482-C1U	1000-482-2U	2000-482-E1U	2000-482-C1U	2000-482-2U	3000-482-E1U	3000-482-C1U	3000-482-2U	4000-482-2U	5000-482-2U	6000-482-2U	8000-482-4U	10000-482-2-4U
Rate Capacity(KVA)		0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	3KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA
Rate power(W)		400W	800W	800W	800W	1600W	1600W	1600W	2400W	2400W	2400W	3200W	4000W	4800W	6400W	8000W
Indication	Display	LED	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	Status	Normal mains, normal inversion, battery under-voltage and output overload														

Size(mm)	Standard	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch
	19inc rack	1U	1U	1U	2U	1U	1U	2U	1U	1U	2U	2U	2U	2U	2U	4U
		482*300*	482*300*	482*300*	482*365*	482*300*	482*300*	482*365*	482*300*	482*300*	482*365*	482*365*	482*365*	482*365*	520*390*	520*390*
		44	44	44	88	44	44	88	44	44	88	88	88	88	110	110
Weight	Net/Gross	5KG/6K	5KG/6K	5KG/6K	9KG/11K	5KG/6K	5KG/6K	9KG/11K	5KG/6K	5KG/6K	9KG/11K	10KG/12	11KG/13	11KG/13	26KG/31	26KG/31
		G	G	G	G	G	G	G	G	G	G	KG	KG	KG	KG	KG
DC Input	Rate input voltage	48VDC														
	Rate input Current	9.5A	19A	19A	19A	38A	38A	38A	57A	57A	57A	77A	98A	117A	156A	196A
	Working voltage range	40-58.8VDC														
	Start-up voltage range	42-57VDC														
	Reflect noise current	≤10%														
AC Input	Bypass voltage	220/230/240VAC														
	Switch time	≤5ms														
AC Output	Rated capacity	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	3KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA
	Rated output power	400W	800W	800W	800W	1600W	1600W	1600W	2400W	2400W	2400W	3200W	4000W	4800W	6400W	8000W
	Inverter output voltage	220/230/240VAC														
	Output voltage precision	220/230/240VAC±10VAC														
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional														
	Waveform	Pure sine wave														
	Total harmonic distortion (THD)	≤3% (linear load)														
	Dynamic response	5% (load 0←→100%)														

	time	
	Power factor (PF)	0.8
	Overload capacity	100%-120% 60s 121%-150% 10s
	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function	Input under-voltage and over-voltage, output overload and short circuit protections, etc.	

8.110VDC-110VAC/120VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING													
Model(IPS-DTA**)		500-1101-E1U	500-1101-C1U	500-1101-2U	1000-110-1-E1U	1000-110-1-C1U	1000-110-1-2U	2000-110-1-E1U	2000-110-1-C1U	2000-110-1-2U	3000-110-1-2U	4000-110-1-4U	5000-110-1-4U	6000-110-1-4U	8000-110-1-4U
Rate Capacity(KVA)		0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA
Rate power(W)		400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W	4800W	6400W
Indication	Display	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	Status	Normal mains, normal inversion, battery under-voltage and output overload													

Size(mm)	Standard 19inc rack	19inch 1U	19inch 1U	19inch 1U	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 2U	19inch 4U	19inch 4U	19inch 4U	19inch 4U
		482*300* 44	482*300* 44	482*300* 44	482*300* 44	482*300* 44	482*365* 88	482*300* 44	482*300* 44	482*365* 88	482*365* 88	520*390*1 10	520*390*1 10	520*390*1 10	520*390*1 10
Weight	Net/Gross	5KG/6KG	5KG/6KG	5KG/6KG	5KG/6KG	5KG/6KG	9KG/11K G	5KG/6KG	5KG/6KG	9KG/11K G	9KG/11K G	25KG/30K G	25KG/30K G	25KG/30K G	26KG/31K G
DC Input	Rate input voltage	110VDC													
	Rate input Current	4.15A	4.15A	4.15A	8.3A	8.3A	8.3A	16.6A	16.6A	16.6A	24.9A	33.4A	36.6A	51.3A	68A
	Working voltage range	90-145VDC													
	Start-up voltage range	94-142VDC													
	Reflect noise current	≤10%													
AC Input	Bypass voltage	110/120VAC													
	Switch time	≤5ms													
AC Output	Rated capacity	0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA
	Rated output power	400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W	4800W	6400W
	Inverter output voltage	110/120VAC													
	Output voltage precision	110/120VAC±10VAC													
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional													
	Waveform	Pure sine wave													
	Total harmonic distortion (THD)	≤3% (linear load)													
	Dynamic response time	5% (load 0←→100%)													
	Power factor (PF)	0.8													

	Overload capacity	100%-120% 60s 121%-150% 10s
	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.

9.110VDC-220VAC/230VAC/240VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING																
Model(IPS-DTA**)	500-11 02-E1U	1000-1 102-E1 U	1000-1 102-C1 U	1000-1 102-2U	2000-1 102-E1 U	2000-1 102-C1 U	2000-1 102-2U	3000-1 102-E1 U	3000-1 102-C1 U	3000-1 102-2U	4000-1 102-2U	5000-1 102-2U	6000-1 102-2U	8000-1 102-4U	10000- 1102-4 U	12000- 1102-4 U	15000-1 102-4U	
Rate Capacity(KVA)	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	3KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA	12KVA	15KVA	
Rate power(W)	400W	800W	800W	800W	1600W	1600W	1600W	2400W	2400W	2400W	3200W	4000W	4800W	6400W	8000W	9600W	12000 W	
Indication	Display	LED	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	
	Status	Normal mains, normal inversion, battery under-voltage and output overload																
Size(mm)	Standard	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	
	19inc rack	1U	1U	1U	2U	1U	1U	2U	1U	1U	2U	2U	2U	2U	4U	4U	4U	

		482*30 0*44	482*30 0*44	482*30 0*44	482*33 5*88	482*30 0*44	482*30 0*44	482*33 5*88	482*30 0*44	482*30 0*44	482*36 5*88	482*36 5*88	482*36 5*88	482*36 5*88	482*44 0*177	482*44 0*177	482*44 0*177	482*44 0*177
Weight	Net/Gross	5KG/6K G	5KG/6K G	5KG/6K G	8KG/10 KG	5KG/6K G	5KG/6K G	8KG/10 KG	5KG/6K G	5KG/6K G	10KG/1 2KG	10KG/1 2KG	10KG/1 2KG	10KG/1 2KG	25KG/3 0KG	25KG/3 0KG	25KG/3 0KG	25KG/3 0KG
DC Input	Rate input voltage	110VDC																
	Rate input Current	4.15A	8.3A	8.3A	8.3A	16.6A	16.6A	16.6A	24.9A	24.9A	24.9A	33.4A	36.6A	51.3A	68A	85A	102A	128A
	Working voltage range	90-145VDC																
	Start-up voltage range	94-142VDC																
	Reflect noise current	≤10%																
AC Input	Bypass voltage	220/230/240VAC																
	Switch time	≤5ms																
AC Output	Rated capacity	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	3KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA	12KVA	15KVA
	Rated output power	400W	800W	800W	800W	1600W	1600W	1600W	2400W	2400W	2400W	3200W	4000W	4800W	6400W	8000W	9600W	12000W
	Inverter output voltage	220/230/240VAC																
	Output voltage precision	220/230/240VAC±10VAC																
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional																
	Waveform	Pure sine wave																
	Total harmonic distortion (THD)	≤3% (linear load)																
	Dynamic response time	5% (load 0←→100%)																

	Power factor (PF)	0.8
	Overload capacity	100%-120% 60s 121%-150% 10s
	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20°C~+50°C
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.

10.220VDC-110VAC/120VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING													
Model(IPS-DTA**)		500-2201-E1U	500-2201-C1U	500-2201-2U	1000-220-1-E1U	1000-220-1-C1U	1000-220-1-2U	2000-220-1-E1U	2000-220-1-C1U	2000-220-1-2U	3000-220-1-2U	4000-220-1-4U	5000-220-1-4U	6000-220-1-4U	8000-220-1-4U
Rate Capacity(KVA)		0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA
Rate power(W)		400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W	4800W	6400W
Indication	Display	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	Status	Normal mains, normal inversion, battery under-voltage and output overload													
Size(mm)	Standard	19inch 1U	19inch 1U	19inch 1U	19inch 1U	19inch 1U	19inch 2U	19inch 1U	19inch 1U	19inch 2U	19inch 2U	19inch 4U	19inch 4U	19inch 4U	19inch 4U

	19inc rack	482*300* 44	482*300* 44	482*300* 44	482*300* 44	482*300* 44	482*365* 88	482*300* 44	482*300* 44	482*365* 88	482*365* 88	520*390*1 10	520*390*1 10	520*390*1 10	520*390*1 10
Weight	Net/Gross	5KG/6KG	5KG/6KG	5KG/6KG	5KG/6KG	5KG/6KG	9KG/11K G	5KG/6KG	5KG/6KG	9KG/11K G	9KG/11K G	25KG/30K G	25KG/30K G	25KG/30K G	26KG/31K G
DC Input	Rate input voltage	220VDC													
	Rate input Current	2.1A	2.1A	2.1A	4.2A	4.2A	4.2A	8.3A	8.3A	8.3A	12.4A	16.7A	18.3A	22A	34.2A
	Working voltage range	180-270VDC													
	Start-up voltage range	190-265VDC													
	Reflect noise current	≤10%													
AC Input	Bypass voltage	110/120VAC													
	Switch time	≤5ms													
AC Output	Rated capacity	0.5KVA	0.5KVA	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	4KVA	5KVA	6KVA	8KVA
	Rated output power	400W	400W	400W	800W	800W	800W	1600W	1600W	1600W	2400W	3200W	4000W	4800W	6400W
	Inverter output voltage	110/120VAC													
	Output voltage precision	110/120VAC±10VAC													
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional													
	Waveform	Pure sine wave													
	Total harmonic distortion (THD)	≤3% (linear load)													
	Dynamic response time	5% (load 0←→100%)													
Power factor (PF)	0.8														

	Overload capacity	100%-120% 60s 121%-150% 10s
	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function		Input under-voltage and over-voltage, output overload and short circuit protections, etc.

11.220VDC-220VAC/230VAC/240VAC TECHNICAL PARAMETER

Brand		IDEALPLUSING																
Model(IPS-DTA**)		500-22	1000-2	1000-2	1000-2	2000-2	2000-2	2000-2	3000-2	3000-2	3000-2	4000-2	5000-2	6000-2	8000-2	10000-	12000-	15000-2
		0-E1U	20-E1U	20-C1U	20-2U	20-E1U	20-C1U	20-2U	20-E1U	20-C1U	20-2U	20-2U	20-2U	20-2U	20-4U	220-4U	220-4U	20-4U
Rate Capacity(KVA)		0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	3KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA	12KVA	15KVA
Rate power(W)		400W	800W	800W	800W	1600W	1600W	1600W	2400W	2400W	2400W	3200W	4000W	4800W	6400W	8000W	9600W	12000 W
Indication	Display	LED	LED	LCD	LCD	LED	LCD	LCD	LED	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD	LCD
	Status	Normal mains, normal inversion, battery under-voltage and output overload																
Size(mm)	Standard	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch	19inch
	19inc rack	1U	1U	1U	2U	1U	1U	2U	1U	1U	2U	2U	2U	2U	4U	4U	4U	4U

		482*30 0*44	482*30 0*44	482*30 0*44	482*33 5*88	482*30 0*44	482*30 0*44	482*33 5*88	482*30 0*44	482*30 0*44	482*36 5*88	482*36 5*88	482*36 5*88	482*36 5*88	482*44 0*177	482*44 0*177	482*44 0*177	482*44 0*177
Weight	Net/Gross	5KG/6K G	5KG/6K G	5KG/6K G	8KG/10 KG	5KG/6K G	5KG/6K G	8KG/10 KG	5KG/6K G	5KG/6K G	10KG/1 2KG	10KG/1 2KG	10KG/1 2KG	10KG/1 2KG	25KG/3 0KG	25KG/3 0KG	25KG/3 0KG	25KG/3 0KG
DC Input	Rate input voltage	220VDC																
	Rate input Current	2.21A	4.2A	4.2A	4.2A	8.3A	8.3A	8.3A	12.4A	12.4A	12.4A	16.7A	18.3A	22A	34.2A	42.7A	51A	64A
	Working voltage range	180-270VDC																
	Start-up voltage range	190-265VDC																
	Reflect noise current	≤10%																
AC Input	Bypass voltage	220/230/240VAC																
	Switch time	≤5ms																
AC Output	Rated capacity	0.5KVA	1KVA	1KVA	1KVA	2KVA	2KVA	2KVA	3KVA	3KVA	3KVA	4KVA	5KVA	6KVA	8KVA	10KVA	12KVA	15KVA
	Rated output power	400W	800W	800W	800W	1600W	1600W	1600W	2400W	2400W	2400W	3200W	4000W	4800W	6400W	8000W	9600W	12000W
	Inverter output voltage	220/230/240VAC																
	Output voltage precision	220/230/240VAC±10VAC																
	Output frequency precision (Hz)	50±0.1% Or 60±0.1% Optional																
	Waveform	Pure sine wave																
	Total harmonic distortion (THD)	≤3% (linear load)																
	Dynamic response time	5% (load 0←→100%)																

	Power factor (PF)	0.8
	Overload capacity	100%-120% 60s 121%-150% 10s
	Inversion efficiency (80% resistive load)	≥85%
	By-pass conversion time	≤5ms
Operating environment	Dielectric strength (input and output)	1500VAC, 1 minute
	Noise (1m)	≤65dB
	Operating environment temperature	-20℃~+50℃
	Humidity	0~90%, no moisture condensation
	Operating altitude (m)	≤2000
Protection function	Input under-voltage and over-voltage, output overload and short circuit protections, etc.	

12.PRODUCT OVERVIEW

① 19 inch Rack-Mount 1U

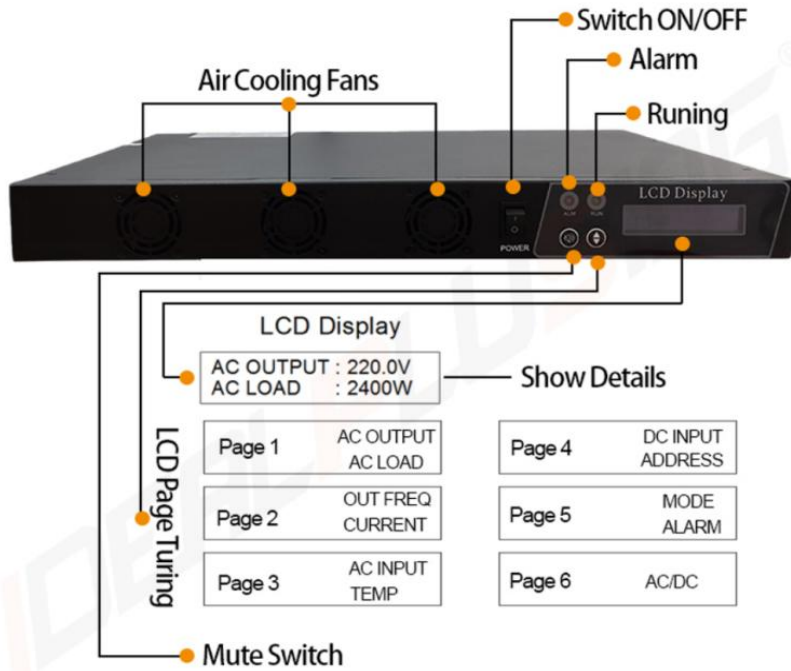
1

19-inch 1U Inverter

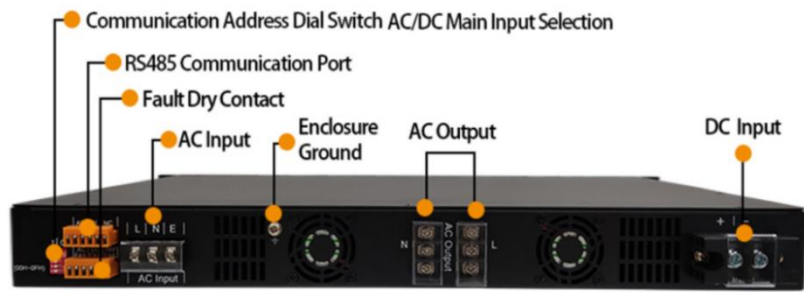
DETAIL DISPLAY



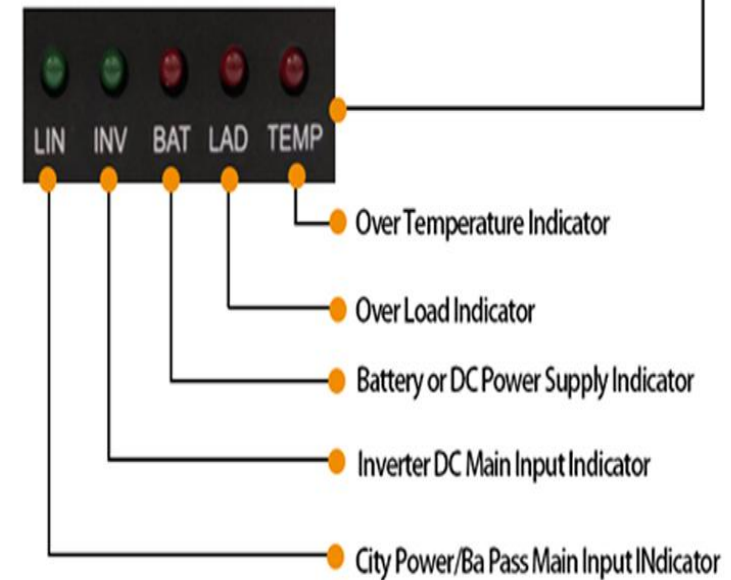
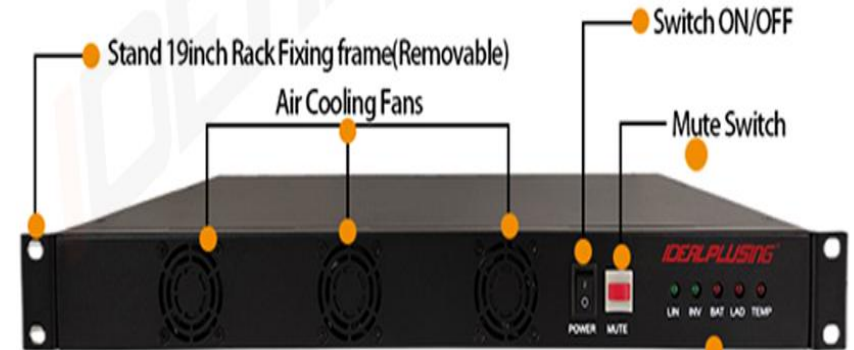
Mechanical size: L482*W300*H44MM
Mechanical weight: 5KG/6KG



19inch 1U Rack Mount Design Front Panel(LCD Indicator)



19 inch 1U Rack Mount Desian Rear Panel



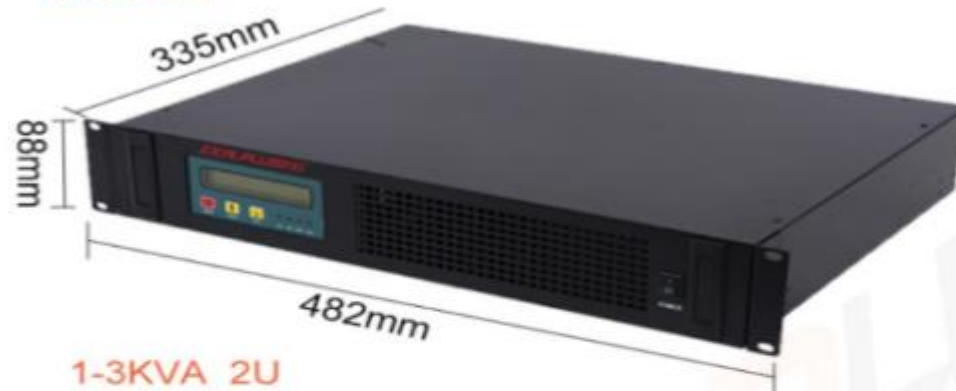
19inch 1U Rack Mount Design Front Panel(No LCD Indicator)

② 19 inch Rack-Mount 2U

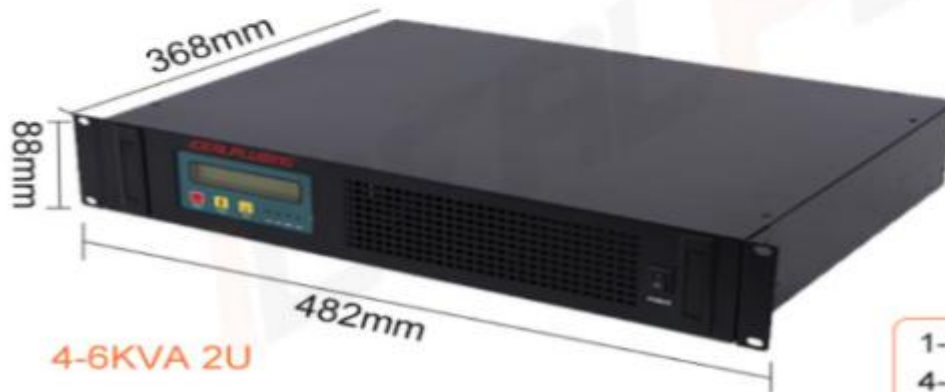
2

19-inch 2U Inverter

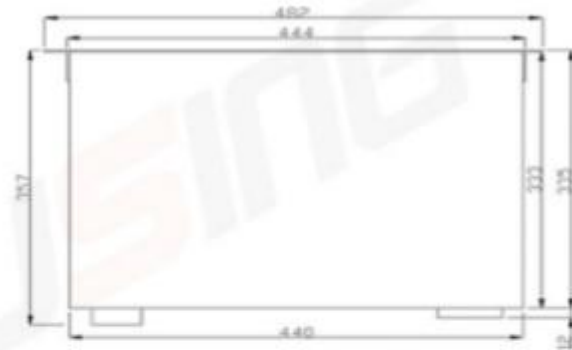
DETAIL DISPLAY



1-3KVA 2U

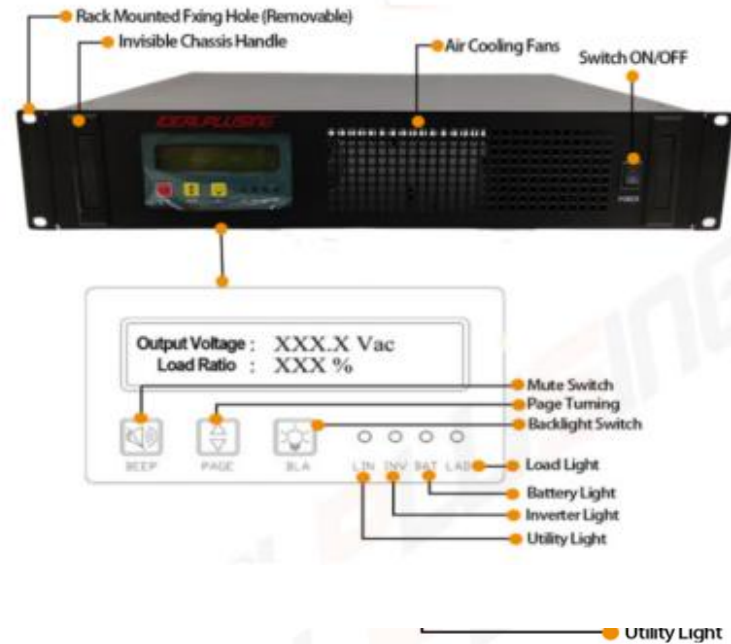


4-6KVA 2U



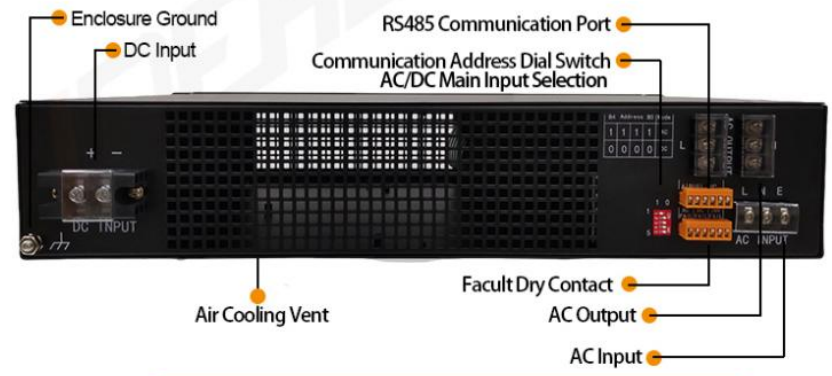
1-3KVAMechanical size: L482*W335*H88MM
4-6KVAMechanical size: L482*W368*H88MM
Mechanical weight: 15KG/18KG

Product Details



19inch 2U Rack Mount Design Front Panel(LCD Indicator)

Product Details



19 inch 2U Rack Mount Design Rear Panel

③ 19 inch Rack-Mount 4U

3

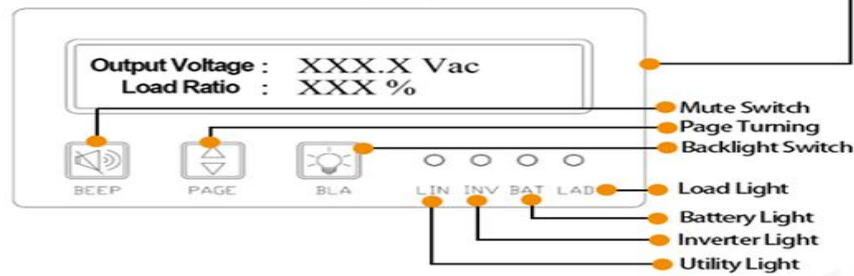
19-inch 4U Inverter

DETAIL DISPLAY



Mechanical size: L482*W440*H177(MM)

Mechanical weight: 27KG/35KG



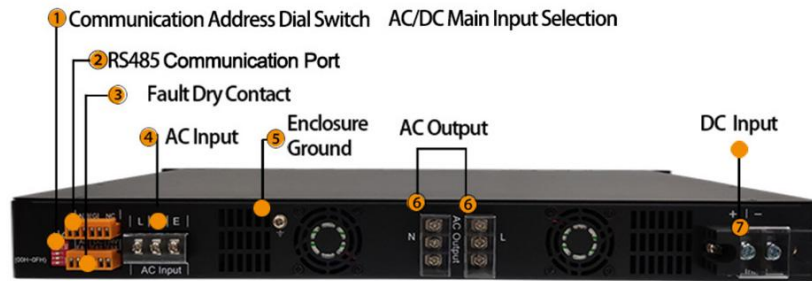
19inch 4U Rack Mount Design Front Panel(LCD Indicator)



19 inch 4U Rack Mount Desian Rear Panel

13.PRODUCT WIRING

1U rack wiring diagram



④ AC Input



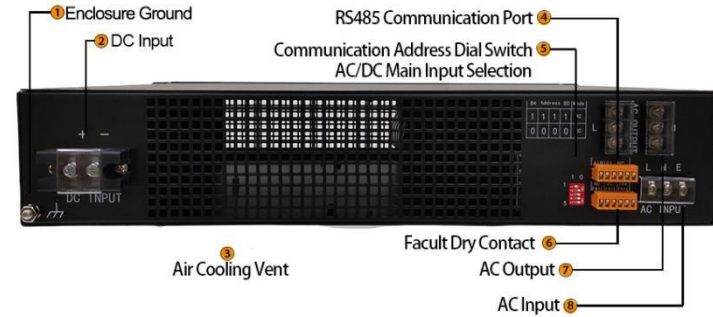
⑥ AC Output



⑦ DC Input



2U rack wiring diagram



⑧ AC Input



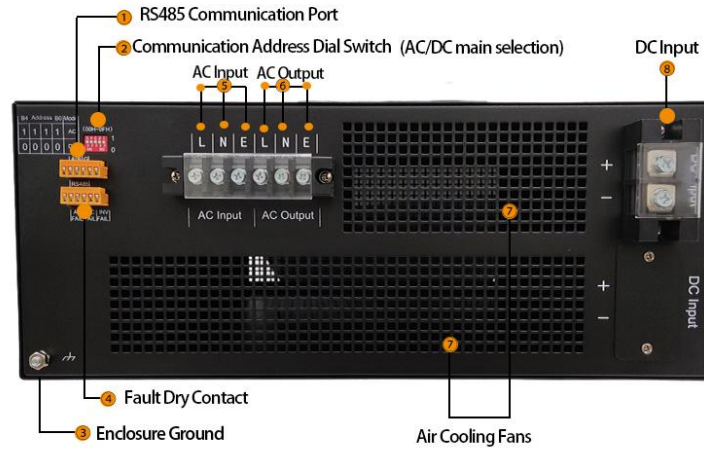
⑦ AC Output



② DC Input



4U rack wiring diagram



⑤ AC Input



⑥ AC Output



⑧ DC Input



14.PRODUCT APPLICATION

IDEALPLUSING APPLICATION

1. Telecom station/base/ Cable Equipment
2. Communication Station.
3. Computer data center
4. SCADA Networks and Data Equipment
5. Phone /cell base
6. Radio Base stations/ Cell Sites
7. City WIFI device
8. Emergency communication car
9. Railway & metro
10. Distributed Antenna Systems
11. Marine & offshore
12. Building Management Systems
13. Fire Alarm Systems
14. Monitoring center room

Communication Station

Data Room

Railway and subway

Industrial Automation

Widely used in various fields

15.INSTALLATION CASE



PRODUCT INSTALLATION AND CUSTOMIZATION

WHY PROFESSIONALS CHOOSE US?

Modular design: supports 19-inch rack/wall-mounted/stacked installation
(suitable for 5G base station/data center multi-scenario)



01
Safe and secure



03
Efficient production

02
Adequate supply



04
Worry-free after-sales service



Customizable products

- URL can be customized
- LOGO can be customized
- Company name can be customized
- Company name can be customized



Contact Us Custom Made

Custom templates

16.PACKAGE

IDEALPLUSING® **PACKAGING AND SHIPPING**



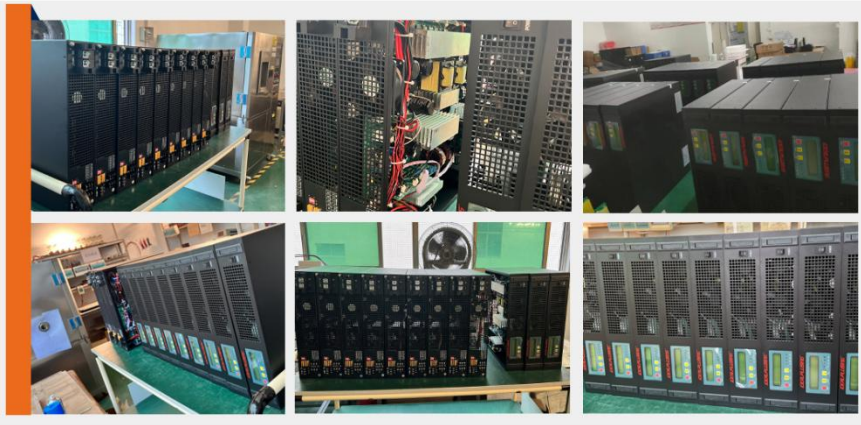
We know that high-quality products cannot be separated from careful packaging and efficient logistics. Each product undergoes strict quality inspection before leaving the factory and is packaged with environmentally friendly materials to ensure that it is not damaged during transportation. Our packaging design not only focuses on protecting the product, but also reflects the brand image and brings you a pleasant unboxing experience.

We have a stable cooperation with logistics companies. We prefer to recommend medium logistics methods. The transportation price is relatively low. Customers can also choose logistics methods according to their own transportation requirements.



17.FACTORY PRODUCTION

PRODUCTION DISPLAY



A graphic with an orange background on the left. The text 'ABOUT US' is written in large white letters. Below it, in smaller white text, is 'We provide you with professional products'. At the bottom left of the orange area is a white phone icon and the text 'Contact Us'. The background of the graphic is an aerial view of a modern building with a large green lawn and palm trees.



We IDEALPLUSING are proud to be a solution provider rather than a pure manufacturer. We have established close cooperation with many power supply manufacturers, with a special focus on Chinese manufacturers with less sales or less experience in overseas markets. We IDEALPLUSING not only provide products, but also strive to provide customers with suitable power supply solutions and quotations, and help customers evaluate and choose the most suitable solution. Our main markets include Eastern Europe, Southeast Asia and East Asia. We now have 47 supply chain partners, and our customer types include retailers, engineers, wholesalers, brand companies, private users and manufacturers.

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Office ADD: NO.38 Gaopu Road, Tianhe, Guangzhou, Guangdong Province, China. 510520.

Factory #1 ADD: 7/F, Block A, Cabo Tec. park, North of HuaFa Road, Gongming, Guangming new Dis. ,SZ,China.

Factory #2 ADD: 3/F, Building C, HengTongFa Industrial Area, TangTou Industrial Park , ShiYan , Baoan , SZ, China.