





Company Profile

1. Incorporation introduction

1) Brief introduction

Shenzhen mini ups technology co.,ltd is mainly specialized in developing, producing and marketing serial products to protect computerized data. We have an enterprising and experienced R&D team. Our R&D base is in the Research Institute of Tsinghua University in Shenzhen. After years'of efforts, we have succeeded in developing a series of products to protect computerized data. These products are leading in the world and have 10 **exclusive copyrights**, which are all recognized and recommended by experts and users in this field.

Our factory covers 40,000 square meters including 20,000 square meters of construction areas, and has workshops with antistatic cleanrooms. With more than 800 employees, we have already passed the ISO9001, CCC, UL and CE management and quality certificate. The production capacity is more than 300,000 sets per month. We always carry out the management regulations strictly so as to ensure good quality and high efficiency.

Patent certificate



Factory pictures









Ni-mh/Li battery MINI UPS (AC-AC AC-DC)

World's first genuine high-performance MINI UPS 300W (not a power bank);

1.Genuine MINI

Lighter: weight reduced by up to 80% compared with traditional lead-acid battery UPS.

MINI volume: 195*142*45 mm, 75% smaller than traditional lead-acid battery UPS.

Energy-saving: long battery life with the adoption of latest environmentally-friendly Ni-mh battery and lithium battery.

2.Genuine high performance

Original CPU control, sensitive response, high-level automation, perfect protection mechanism.

Source code ownership, independent programming according to needs, customized service.

1. Sensitive response: electric supply/UPS switch within 8 milliseconds.

3. High-level automation

Mobile: activate without electric supply. (Support of outside using)

Timing function: scheduled shutdown according to needs. No manual attendance required.

4. 360° protection

Built-in overheat and overload protection

Built-in high-voltage/low-voltage sensitive device protection

Built-in surge protection circuit

5.Long Lifetime Durable In Use

Service life >10 years

Application scenarios



Security monitor



Optical fiber interface power supply



Mobile power supply



Unattended power supply



Home communication backup power supply



Outdoor communication equipment



Computer backup power supply



Telecommunications equipment



Medical equipment



Small data center



Security system



Hospital& Government institution





Ni-mh UPS

Product Weight

895g(±5g)





Leeer - 4B (AC-AC) Technical Parameter

Item		Specification		
Rated Watts(W/VA)		200W(330VA)		
		250W(410VA)		
		300W(500VA)		
Innest	Nominal Voltage	85-265VAC		
Input	Frequency	47-65Hz		
	Nominal Voltage (on battery)	(optional) 100V、110V、120V-AC(±10%)X2; 220V、230V、240V-AC(±10%)X2		
Output	Frequency (on battery)	50/60Hz ±1Hz		
	Transfer Time	8ms ± 2ms		
	Nominal Voltage/ Capacity	14.4V/1.2AH-2.4AH (select according to the wattage of MINI UPS)		
Battery	Charge Time	10 hours (with the unit switched off) 13 hours (with the unit switched on)		
	Backup Time	≥5 minutes (subject to the level of load)		
	Туре	Ni-Cd or Ni-MH (select according to the wattage of MINI UPS)		
	Low Voltage Protection of Battery	11.0V(±1V)		
	Reuse	Restore via activation of AC		
	Surge Protection	Built-in surge protection		
Protection	High-voltage Protection	Built-in high-voltage protection		
	Low-voltage Protection	Built-in low-voltage protection		
	Lightning Protection	Lightning protection		
Size(mm*mm*mm)		195*142*45		
		1.11kg for Leeer-4B-200W		
	Net Weight	1.17kg for Leeer-4B-250W		
		1.23kg for Leeer-4B-300W		
Operating Temperature		-18℃ to 45℃		
Operating Relative Humidity		10% to 95%		



User Manual of Leeer - 4B

Thanks for purchasing the MINI UPS (Leeer-4B). Please refer to the User Manual carefully before use:

- 1.Installation: connect the MINI UPS with the AC power socket (under circumstance of power disconnection), then connect the unit with your device. After that, turn on the AC power (MINI UPS will be charged automatically) and press the ON/OFF button to power the unit on and keep it switched on all the time. The green LED indicator will illuminate to confirm the MINI UPS is on and ready to provide protection.
- **2.**Please use this unit within suggested maximum level of voltage and wattage. Suggest: The unit performs most safely when the load wattage is below 60% of Rated Watts.
- 3. This unit must be fully charged before the first use.
- **4.**If the battery power is used up during a power shortage, the unit will turn off automatically to enter into the mode of protection, and you must recharge it before the next use.
- **5.**MINI UPS is guaranteed for one year under the premise that they are used in accordance with this manual.
- **6.**Provided being charged for long time, temperature of this unit may go up to 60°C. It is considered as a normal phenomenon.
- **7.**After intermittence during the use, we can have the unit (remnant power is available) go on working normally via turning on the switch, in case of such function in need of customer. Furthermore, we are able to design product with special functions (such as time power supply, intermittent power supply, etc.) according to customer's requirement.
- **8.**Please place the MINI UPS to avoid excessive heat and moisture. Also, turn off the unit provided no necessary for constant use.
- 9.Do not open the back cover as you may get a shock from the high voltage power.

Status Indications

Power on (green)	DC/AC (red)	Buzzer (choose)	Conditions	
on	off	off	MINI UPS is charged (ready state)	
on	flash	alarm	MINI UPS is supplying power to the connected device	
on	off	off	MINI UPS will be off automatically because its power is not enough for the device or it's switched off.	





LEEER - 4D (AC-DC) Technical Parameter

		INDERSONAL COLUMN COLUM	
Item		Specification	
Rated Watts(W)		60 (limit 70)	
loout	Nominal Voltage	75-265V-AC	
Input	Frequency	47-63Hz	
	Nominal Voltage	DC 12V ±2%	
	Frequency	0	
Output	Transfer Time	<1µs	
	Output Control	manual or automatic option	
	Manually power turn-on	1 second Delay	
	Nominal Voltage/ Capacity	14.4V/1.2AH-2.4AH (depend on the wattage of MINI UPS)	
	Channa Tima	10 hours (with the unit switched off)	
Battery	Charge Time	12-15 hours (with the unit switched on)	
•	Backup Time	≥20 minutes (depend on the level of load)	
	Туре	Ni-Cd or Ni-MH(select according to the wattage of MINI UPS)	
	Low Voltage Protection of Battery	11.0V(±1V)	
	Reuse	Restore via activation of AC	
Protection	Surge Protection	Built-in surge protection	
Trotection	High-voltage Protection	Built-in high-voltage protection	
	Low-voltage Protection	Built-in low-voltage protection	
	Lightning Protection	Lightning protection	
Size(mm*mm*mm)		195*142*45	
	Size(mm*mm*mm)	195*142*45	
	Size(mm*mm*mm) Net Weight	195*142*45 1.314 kg	
(

Precautions and Quality Assurance:

- 1. The DC UPS shall be placed in the cool area with good ventilation to avoid humidity and overheated situation. When not in use, please immediately switch it off.
- 2. In order to avoid high voltage electric shock, please DO NOT dismantle the back cover without authorization.
- 3. There is approximately 1s delay to start up the move mode; please check whether the load permits.
- 4. This DC UPS is precise device; please don't repair it without authorization in case of failure.

 5. This DC UPS can be damaged due to improper use.
- 6. Under the precondition of proper using, one-year quality warranty is awarded



LEEER-4D Instruction Manual

Product Name: Portable Mini DC UPS

Product Model No:LEEER-4D

Product Features:

The world's first portable mini standby DC power supply.

It could be taken to anywhere after recharging; once switch on, it may immediately provide DC power without startup by the AC power.

This DC UPS is specially designed for the small scale equipment powered by DC.

Applicable to the outdoor power supply for the equipment powered by DC(such as mobile phone recharging, portable appliance etc. during traveling or camping).

Product Descriptions:

User(s) may choose to/not to use the DC UPS supply via the switch when utility power is available; During mobile use, recommend to adopt soft-startup to better protect load from current impact; Wide input voltage(75-265V);

Environment-friendly batteries (Ni-MH) are adopted;

Free from minimum load limitation;

Audio and visual alarm (optional);

Battery low voltage protection;

Battery high voltage protection;

Overload protection;

Output short circuit protection;

Lightning protection;

Surge protection;

Fault-triggered auto shutdown;

Two lines of AC socket output; simultaneously switch to the utility power if it is available.

Use Instructions:

- **1.** For the first use, the DC UPS should be fully recharged; switch off and continuous charging for 10 hours with connecting AC power supply.
- **2.** Take the portable Mini DC UPS to the required places, connect to the load appliance and switch on to initiate the mode of mobile power supply.
- 3. This DC UPS can also be used as the fixed power supply device.
- **4.** In case of flat battery, Mini DC UPS shall auto shut down to initiate the protection mode; please make sure to get battery recharged again before use.
- 5. During use, the rated power shall not be exceeded.
- **6.** The ideal load is supposed to be resistive. With inductive and capacitive load, please take caution during use to avoid unexpected consequences.
- **7.** The protection mode is initiated due to overload or erroneous operation.





Product Dimension (mm*mm*mm)	195*142*45			
Product Weight	LEEER-4B (L) 895g(±5g) LEEER-4B (H) 1085g(±5g)			
Product Weight	LEEER-4D (L) 935g(±5g) LEEER-4D (H) 1125g(±5g)			
Li battery UPS				





LEEER - 4B - L (AC-AC) Technical Parameter

ltem		Specification	
	Rated Power	LEEER-4B (L) Max 150W	
Rated Voltage		65-265 VAC	
Input	Frequency	47-65 Hz	
	Optional Voltage (battery is under inverter power supply)	100—240V-AC(±10%)	
Output	Frequency (battery is under inverter power supply)	50/60 Hz ±1Hz	
	Handover Delay	8ms ± 2ms	
	Rated Voltage and Capacity	14.8V Nominal Voltage LEEER-4B(L) 3.4AH	
Battery	Charging Time (Switch off)	3.5 hours (LEEER-4B-L)	
	Battery Life	Depending on the load power	
	Battery Type	Lithium Battery	
	Battery Low Voltage Cut-off	11.0V(±0.5V)	
	Restart	Automatic restart on AC recovery	
Protection	Overload Protection	Build- in thermal overload protection	
	High Voltage Protection	Build- in pressure sensitive device protection	
ś	Low Voltage Protection	Build- in low voltage automatic detection	
	Lighting Protection	Build- in surge protection circuit	
Product Di	mension (mm*mm*mm)	195*142*45	
Product Weight		LEEER-4B (L) 895g(±5g)	
Worl	king Temperature	-18℃ to 45℃	
Wo	orking Humidity	10% to 95%	



LEEER-4B (L) Instruction Manual

- 1. Thank you for purchasing Mini UPS LEEER-4B(L/H). Please read carefully the instruction manual before use.
- **2.**The mini UPS adopts environmentally harmless, large capacity lithium-ion batteries which have the characteristic of Light Weight, Small Volume and Long Endurance. It can guarantee more than 500 times of charge- discharge.
- **3.**Installation: Connect the mini UPS to the power socket, at this time, the battery will automatically charge whether the switch is on or off. When the product is in use or on standby, the switch should be on.
- **4.**Please use mini UPS within the allowed maximum voltage and power range. Suggestion: The mini UPS performs best when the load power is less than 60% of the rated power.
- **5.**The mini UPS must be fully charged before use.
- **6.**When the battery reaches the safe capacity, the mini UPS will automatically shut down and enter protected mode; it must be charged before the next use.
- 7. Use mini UPS according to the parameters of this manual, and enjoy one- year warranty.
- **8.**The mini UPS is set as automatic intelligent charging the charging will stop automatically when it reaches the maximum capacity of the battery. When the battery capacity is insufficient, the charging will start automatically.
- **9.**The mini UPS is only suitable for indoor use, it cannot be used in damp places and places with temperature over 45°C.
- **10.**Do not open the rear cover, as this may result in life-threatening high-voltage electric shock.
- 11. The mini UPS is designed as broad width adaptive voltage.
- 12. Two channel AC output.
- **13.** The mini UPS is equipped with surge protection, high voltage protection, overload protection and the function of automatic stop when fully charged.
- **14.**Buzzer and indicator light can be removed according to customer's request it has no impact on the overall performance.
- 15. The min UPS has two types: fixed type and mobile type. Please specify when ordering
- **16.**The corresponding batteries of each model are as follows:

LEEER-4B Ni-Cd/Ni-MH Battery Marked voltage 14.4V Maximum Capacity 2.4AH LEEER-4B(L) Lithium Battery Marked voltage 14.8V Maximum Capacity 3.4AH LEEER-4B(H) Lithium Battery Marked voltage 14.8V Maximum Capacity 6.8AH

State Display of Indicator Light and Buzzer

Normal Power Supply (Green LED)	Invert Output (Red LED)	Buzzer (Discontinuous Buzz)	Conditions
Turn on	Turn off	No Buzz	Mini UPS is on standby
Turn on	Flicker	Discontinuous Buzz	Mini UPS is in working state
Turn on	Turn off	No Buzz	Mini UPS is off, Or run out of battery. Or the switch is off





LEEER - 4B - H(AC-AC) Technical Parameter

ltem		Specification	
	Rated Power	LEEER-4B (H) Max 300W	
Rated Voltage		65-265 VAC	
Input	Frequency	47-65 Hz	
	Optional Voltage (battery is under inverter power supply)	100—240V-AC(±10%)	
Output	Frequency (battery is under inverter power supply)	50/60 Hz ±1Hz	
	Handover Delay	8ms ± 2ms	
	Rated Voltage and Capacity	16.8V(full charged) LEEER-4B(H) 6.8AH	
Battery	Charging Time (Switch off)	7.0 hours (LEEER-4B-H)	
	Battery Life	Depending on the load power	
	Battery Type	Lithium Battery	
	Battery Low Voltage Cut-off	11.0V(±0.5V)	
	Restart	Automatic restart on AC recovery	
Protection	Overload Protection	Build- in thermal overload protection	
	High Voltage Protection	Build- in pressure sensitive device protection	
ś	Low Voltage Protection	Build- in low voltage automatic detection	
	Lighting Protection	Build- in surge protection circuit	
Product Di	mension (mm*mm*mm)	195*142*45	
Product Weight		LEEER-4B (H) 1085g(±5g)	
Worl	king Temperature	-18℃ to 45℃	
Wo	orking Humidity	10% to 95%	



LEEER-4B (H) Instruction Manual

- 1. Thank you for purchasing Mini UPS LEEER-4B(L/H). Please read carefully the instruction manual before use.
- **2.**The mini UPS adopts environmentally harmless, large capacity lithium-ion batteries which have the characteristic of Light Weight, Small Volume and Long Endurance. It can guarantee more than 500 times of charge- discharge.
- **3.**Installation: Connect the mini UPS to the power socket, at this time, the battery will automatically charge whether the switch is on or off. When the product is in use or on standby, the switch should be on.
- **4.**Please use mini UPS within the allowed maximum voltage and power range. Suggestion: The mini UPS performs best when the load power is less than 60% of the rated power.
- 5. The mini UPS must be fully charged before use.
- **6.**When the battery reaches the safe capacity, the mini UPS will automatically shut down and enter protected mode; it must be charged before the next use.
- 7. Use mini UPS according to the parameters of this manual, and enjoy one- year warranty.
- **8.**The mini UPS is set as automatic intelligent charging the charging will stop automatically when it reaches the maximum capacity of the battery. When the battery capacity is insufficient, the charging will start automatically.
- **9.**The mini UPS is only suitable for indoor use, it cannot be used in damp places and places with temperature over 45°C.
- **10.**Do not open the rear cover, as this may result in life-threatening high-voltage electric shock.
- **11.** The mini UPS is designed as broad width adaptive voltage.
- 12. Two channel AC output.
- **13.** The mini UPS is equipped with surge protection, high voltage protection, overload protection and the function of automatic stop when fully charged.
- **14.**Buzzer and indicator light can be removed according to customer's request it has no impact on the overall performance.
- 15. The min UPS has two types: fixed type and mobile type. Please specify when ordering
- **16.**The corresponding batteries of each model are as follows:

LEEER-4B Ni-Cd/Ni-MH Battery Marked voltage 14.4V Maximum Capacity 2.4AH LEEER-4B(L) Lithium Battery Marked voltage 14.8V Maximum Capacity 3.4AH LEEER-4B(H) Lithium Battery Marked voltage 14.8V Maximum Capacity 6.8AH

State Display of Indicator Light and Buzzer

Normal Power Supply (Green LED)	Invert Output (Red LED)	Buzzer (Discontinuous Buzz)	Conditions
Turn on	Turn off	No Buzz	Mini UPS is on standby
Turn on	Flicker	Discontinuous Buzz	Mini UPS is in working state
Turn on	Turn off	No Buzz	Mini UPS is off, Or run out of battery. Or the switch is off





LEEER - 4D - L(AC-DC) Technical Parameter

ltem		Specification		
Ra	ted power (W)	60 (short- time 70)W		
Input	Rated Voltage	AC 65-265 v		
Input	Frequency	47-63Hz		
	Rated voltage	DC 12V ±2%		
	Frequency	0Hz		
Output	Switching time	less than 10 millisecond		
	Output control	Manual and automatic are optional		
	Manual output delay	Start less than 0.5 seconds after switch closed		
	Battery voltage	Nominal voltage 14.8V		
	Battery capacity	3.4AH(L)		
Battery	Charge time	3.5H(L) (Switch is off)		
	Standby support time	Over 30mins(L) (under the maximum load)		
	Material	lithium ion battery		
	Battery protection	low-voltage 11.0V(±0.5V)		
	Reuse	AC activation or manual activation		
	Surge protection	Interior surge protection		
Protection	High voltage protection	Interior high voltage protection		
	Low voltage protection	Interior low voltage protection		
	Lightning protection	Prevention of lightning		
Size(mm*mm*mm)	195*142*45		
ı	Net weight	935g (L)		
	rironment temperature	-18℃ to 45℃		
Working environment humidity		Below 95%		

Specification of LEEER-4D (L)

Thanks for purchasing Mini UPS LEEER-4D(L). Please read the operating manual carefully before use.

Product Feature:

- 1-First movable mini reserve DC power supply in the world.
- 2 It could be taken to anywhere after full-charged, it does not need AC start-up but only turn on the switch.
- 3.DC power output.
- 4 Specially designed for small devices that require DC power.
- 5 Suitable for power supply of the equipment that needs DC power supply when traveling tourism, camping,



outdoor communication equipment, portable electrical appliances etc

- 6-This product choose environment friendly, large capacity lithium-ion battery which has the characteristic of light weight, small size and long battery life. It can be guaranteed to charge and discharge more than 500 times.
- 7 Installation: Connect the mini UPS to the power socket, the battery will be charged automatically regardless of whether the switch is on or off. But be sure to turn on the switch when using or on standby.
- 8-This product is set to be automatic intelligent charging. When the charging reaches the maximum capacity of the battery, the charging stops automatically. When the battery capacity is insufficient, the charging will start automatically.
- 9. The mini UPS is only suitable for indoor use, it cannot be used in damp places and places with temperature over 45°C

Product Description:

- 1 When using commercial power, the switch can be used to control output or do not output DC power.
- 2 Use soft start technology when used in moving state, which better protect the load from current impact.
- 3. Wide input voltage (65-265V)
- 4 Environment friendly lithium ion battery
- 5-No minimum load limitation
- 6-With buzzer and light alarm (could be canceled or equipped)
- 7 Battery low voltage protection
- 8 Power supply high voltage protection
- 9-Load and overload protection
- 10 Output short circuit protection
- 11 Lightning protection design
- 12 Surge protection
- 13 Fault automatic shutdown design
- 14 Two AC outlet outputs. When the commercial power is available, it can be connected to the commercial power at the same time
- PS: Corresponding battery of each LEEER-4D model
- LEEER-4D Ni-MH battery nominal voltage 14.4V maximum capacity 2.4AH
- LEEER-4D (L) Lithium ion battery nominal voltage 14.8V maximum capacity 3.4AH
- LEEER-4D (H) Lithium ion battery nominal voltage 14.8V maximum capacity 6.8AH

Operating instruction:

- 1 First use must be fully charged. Charging for 4 hours (L) / 8 hours (H) with switch off.
- 2 Take the movable mini DC UPS to the desired location, connect it to the load electrical appliance, open the switch and the product is in the moving power supply mode.
- 3. This product could also be used as fixed power supply.
- 4 When the battery is exhausted, Mini DC UPS will automatically shut down and enter the protection mode. Please recharge before use.
- 5 Do not exceed the rated power when using.
- 6 Ideal load is resistive. Be careful to use with inductive load and capacitance load, unintended consequences may occur.
- 7 Overload use or operation errors may make the product enter into protection mode. It could automatically restore after eliminating improper operation.

Notice and warranty:

- 1-Please keep the product in a cool and ventilated place, avoid heat or moisture. Turn off the switch immediately when not in use.
- 2 Do not privately unwrap the back cover to avoid high voltage shock.
- 3 It has a delay about 0.5 second when start in moving mode, please check if it is permitted by the load.
- 4 This product is precision equipment, please do not repair yourself when it goes wrong.
- 5 Improper use will cause the damage of the equipment.
- 6 Enjoy one-year warranty under the premise of correct use of the product.





LEEER - 4D - H(AC-DC) Technical Parameter

ltem		Specification		
Rated power (W)		60 (short- time 70)W		
Input	Rated Voltage	AC 65-265 v		
Input	Frequency	47-63Hz		
	Rated voltage	DC 12V ±2%		
	Frequency	0Hz		
Output	Switching time	less than 10 millisecond		
	Output control	Manual and automatic are optional		
	Manual output delay	Start less than 0.5 seconds after switch closed		
	Battery voltage	fully charged 16.8V		
	Battery capacity	6.8AH(H)		
Battery	Charge time	7 H(H) (Switch is off)		
	Standby support time	60mins(H)(under the maximum load)		
	Material	lithium ion battery		
	Battery protection	low-voltage 11.0V(±0.5V)		
	Reuse	AC activation or manual activation		
	Surge protection	Interior surge protection		
Protection	High voltage protection	Interior high voltage protection		
	Low voltage protection	Interior low voltage protection		
	Lightning protection	Prevention of lightning		
Size	mm*mm*mm)	195*142*45		
1	Net weight	1125g(H)±5g		
Working env	rironment temperature	-18℃ to 45℃		
Working environment humidity		Below 95%		

Specification of LEEER-4D (H)

Thanks for purchasing Mini UPS LEEER-4D(H). Please read the operating manual carefully before use.

Product Feature:

- 1-First movable mini reserve DC power supply in the world.
- 2 It could be taken to anywhere after full-charged, it does not need AC start-up but only turn on the switch.
- 3-DC power output.
- 4 Specially designed for small devices that require DC power.
- 5 Suitable for power supply of the equipment that needs DC power supply when traveling tourism, camping,



outdoor communication equipment, portable electrical appliances etc

- 6-This product choose environment friendly, large capacity lithium-ion battery which has the characteristic of light weight, small size and long battery life. It can be guaranteed to charge and discharge more than 500 times.
- 7 Installation: Connect the mini UPS to the power socket, the battery will be charged automatically regardless of whether the switch is on or off. But be sure to turn on the switch when using or on standby.
- 8-This product is set to be automatic intelligent charging. When the charging reaches the maximum capacity of the battery, the charging stops automatically. When the battery capacity is insufficient, the charging will start automatically.
- 9. The mini UPS is only suitable for indoor use, it cannot be used in damp places and places with temperature over 45°C

Product Description:

- 1 When using commercial power, the switch can be used to control output or do not output DC power.
- 2 Use soft start technology when used in moving state, which better protect the load from current impact.
- 3. Wide input voltage (65-265V)
- 4 Environment friendly lithium ion battery
- 5 No minimum load limitation
- 6. With buzzer and light alarm (could be canceled or equipped)
- 7 Battery low voltage protection
- 8 Power supply high voltage protection
- 9-Load and overload protection
- 10 Output short circuit protection
- 11 Lightning protection design
- 12 Surge protection
- 13 Fault automatic shutdown design
- 14 Two AC outlet outputs. When the commercial power is available, it can be connected to the commercial power at the same time
- PS: Corresponding battery of each LEEER-4D model
- LEEER-4D Ni-MH battery nominal voltage 14.4V maximum capacity 2.4AH
- LEEER-4D (L) Lithium ion battery nominal voltage 14.8V maximum capacity 3.4AH
- LEEER-4D (H) Lithium ion battery nominal voltage 14.8V maximum capacity 6.8AH

Operating instruction:

- 1 First use must be fully charged. Charging for 4 hours (L) / 8 hours (H) with switch off.
- 2 Take the movable mini DC UPS to the desired location, connect it to the load electrical appliance, open the switch and the product is in the moving power supply mode.
- 3. This product could also be used as fixed power supply.
- 4 When the battery is exhausted, Mini DC UPS will automatically shut down and enter the protection mode. Please recharge before use.
- 5 Do not exceed the rated power when using.
- 6 Ideal load is resistive. Be careful to use with inductive load and capacitance load, unintended consequences may occur.
- 7 Overload use or operation errors may make the product enter into protection mode. It could automatically restore after eliminating improper operation.

Notice and warranty:

- 1-Please keep the product in a cool and ventilated place, avoid heat or moisture. Turn off the switch immediately when not in use.
- 2 Do not privately unwrap the back cover to avoid high voltage shock.
- 3 It has a delay about 0.5 second when start in moving mode, please check if it is permitted by the load.
- 4 This product is precision equipment, please do not repair yourself when it goes wrong.
- 5 Improper use will cause the damage of the equipment.
- 6 Enjoy one-year warranty under the premise of correct use of the product.



MU-48-300

(RXXX	Re		Overv	view	
A Him			1、LED In	1、LED Indicators	
#			2、DC Ou	tput Port	
		_	3、AC Inp	ut Port	
			Size: 300*1	85*86mm	
		3	Weight: 3	.5±0.2Kg	
		LED	1рс, [)=5mm	
LED		g and AC/DC Mode		s Red	
Indicators		rge and AC/DC Mode	LED is	Green	
iliuicators		Battery failure		ing In Red	
	DC I	Mode/On Battery	LED is	Orange	
Input		Specificat			
Input Voltage Ra			264	V	
Input Frequency F			-63 (DEC)	Hz **	
Power Facto		≥0.9 (PFC)		1,00,09	
Input current		5.0A Max 1.0mA Max @230VAC		Α	
Leakage curre	TIL	1.UIIIA Wax	(@230VAC	mA	
Output					
AC-DC Transfer	Time	≦8	3	ms	
Output Voltag	е	48 (Linear compensation)		V	
Output voltage acc		1%		**	
Output Currer		6.2		A	
Output Current range		0-6.2		Α	
Rated power		300		W	
Ripple		48		mVp-p	
Output Ground Ref	erence	Virtual	ground	**	
Battery					
Batteries in series an	d parallel	8Series-	2Parallel	**	
Battery Type		26650 Li-ion Battery		**	
Single cell volta	age	3.	.2	V	

Capacity cell capacity	40	000	mAh		
Discharging performanc	≥3	3C	**		
Battery capacity	25.6V/8000m	Wh			
Backup Time(Full load)	≥:	30	min		
Backup Time(Half load)	≥6	60	min		
Typical Recharge Time 10 H	1	0	Н		
Protection					
Overload Protection	Turn off the output Once of the rating	the output current exceeds 1	110%- 130%		
High Voltage Protection	Turn off the output Once	the output voltage exceeds t	52.8V		
Overheat Protection	Turn off the output Once degrees	Turn off the output Once the cover temperature over 70 degrees			
Surge Protection	80A@230VAC IEC61000)-4-5			
Environmental					
	Min	Standard	Max		
Operating Temperature	0°C	25°C	40°C		
Storage Temperature	-20°	**	60°C		
Operating Humidity	10%	**	90%		
Storage Humidity	0%	**	95%		
Certifications					
Certifications		IEC/EN 62269 1			
Product Warranty	IEC/EN 62368-1 EN55032				
r rouger training		IEC/EN 61000			
	•				
Warranty					
Product Warranty		One-Year Limited			
Price					
MU-48-300					
Samples ≤5 PCS					
5PCS to 100PCS					
≥100PCS					
	comments or s	purchasing our products uggestions to mini-ups@ vill reply as soon as poss	mini-ups.com, we		
Min(UPS		Panama Office			
	Panama Office Engineering Manager Leo Lin 507-62829				
	Sales Manager	Michelle Zhang	507-63998984		

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