

# 正面

**User Manual**  
**Inverter 300W-500W**

Read the instructions carefully before installing, operating or maintaining the inverter.

**CAUTION**

- Non-qualified electricians are forbidden to open the case due to hazard of electrical shock.
- Consulting the dealer is required before using for below equipment. Its application, configuration, management and maintenance must be specially considered and designed.
- Medical equipment which is directly related to patients' life.
- Elevator and other equipment which may endanger personal safety.

**Safety and General Information**

- Read all safety information and operating instructions carefully before attempting to install, operate, service or maintain the inverter.
- Do not disassemble this inverter. Contact your local service center if maintenance or repair is needed.
- Disconnect all connection wiring before maintenance or cleaning to avoid the risk of electric shock.
- Do not use liquid extinguisher if there is a fire, a dry powder extinguisher is recommended.
- Do not dispose of the batteries with fire. The batteries may explode.
- Do not open or mutilate batteries. Released electrolyte inside is harmful to the skin and eyes, and maybe toxic.
- Do not connect the positive pole and negative pole directly, otherwise it will cause electric shocks or will be on fire.
- Be sure the air vents on the UPS are not blocked. Allow adequate space for proper ventilation.


**Operation**

**Front Panel Buttons and Display Interface**

**1. Power ON/OFF button**

Turn on/off the UPS with LCD display: Press and hold the Power ON/OFF button on the front panel for 3seconds

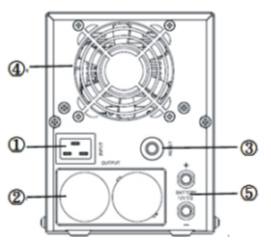
**2. LCD display screen**



Display information: Mains state /Output voltage /Battery capacity /Load capacity.

**Rear Panel**

- ① Input power cord / IEC input outlet - connects the unit to utility power.
- ② Output outlets - Connect critical equipment such as computer, monitor, or other data devices into these outlets.
- ③ Fuse / Circuit breaker - provides input protection.
- ④ Fan - provides heat dissipation.
- ⑤ External battery connection cable(Note that the red cable is connected to the positive terminal, black cable is connected to the negative terminal).



**Note: The above pictures are for reference only, please in kind prevail.**

# 背面

Specifications		
MODEL	300W	500W
<b>DC INPUT</b>		
Nominal input voltage	12 V	
DC input voltage range	10 ~ 15 V	
<b>AC INPUT</b>		
AC voltage	150 ~ 282 Vac for 220 Vac, 156 ~ 294 Vac for 230 Vac, 163 ~ 307 Vac for 240 Vac	
Nominal input frequency	50 / 60 Hz (auto-sensing), 42.5 ~ 57.5 Hz for 50 Hz, 51 ~ 69 Hz for 60 Hz	
<b>OUTPUT</b>		
DC mode output voltage	220 / 230 / 240 Vac ± 5%	
AC mode output voltage	220 / 230 / 240 Vac ± 5%	
Nominal output frequency	50 / 60 Hz ± 0.3 (auto-sensing & settable)	
Output waveform	Pure sine wave	
Output power	300 W	500 W
Efficiency	Max. 95% (mains mode); Max. 80% (inverter mode)	
Transfer time	≤ 10 ms	
Power factor	1.0	
THD	< 5% (linear load)	
Inductive load	Yes	
Motor load	Yes	
Rectifier load	Yes	
Overload capability	Mains mode: 110% for 120 s, 125% for 60 s, 150% for 10 s Inverter mode: 110% for 60 s, 125% for 10 s, 150% for 10 s (shut down)	
<b>BATTERIES</b>		
Charging current (selectable)	Default 10A (Max 15A)	
Charging current setting	<p><b>1.Double-click the panel switch button to enter the current setting interface:</b> Quickly double-click the button (two short presses, the interval does not exceed 1.5 seconds)</p> <p><b>2.Adjust the current setting:</b> In the setting interface, press and hold the button until the current value displayed on the LCD screen changes. After releasing the button, the gear switch will be completed. The current setting will change cyclically in the following order: 5A-&gt;10A-&gt;15A.</p> <p><b>3.Confirm the settings and exit:</b> When you switch to the desired gear, double-click the button again to exit the setting mode.</p> <p><b>4.Save settings:</b> After exiting the setting mode, the machine needs to be completely powered off.After rebooting, the charging current setting will take effect and maintain the selected gear.</p>	
Equalizing charge voltage	Single battery 14.1 Vdc (default), 13.6 ~ 15 Vdc adjustable	
Floating charge voltage	Single battery 13.5 Vdc (default), 13.2 ~ 14.6 Vdc adjustable	
<b>OTHERS</b>		
Human-machine interface	LCD & BUZZER	
Operating temperature	0℃ ~ 40℃	
Operating humidity	5% ~ 95% RH	
Forced air cooling	Variable speed fans	
Net weight (kg)	5.3	7.5
Gross weight (kg)	5.8	8
Dimensions (W × D × H) (mm)	281 × 132 × 176	
Packaged dimensions (W × D × H) (mm)	355 × 195 × 251	

P/N: 15-022552-01

技术要求:

- 1、尺寸: 145x210mm
- 2、颜色: 单色双面印刷
- 3、材质: 80克丽美纸
- 4、裁剪方正无歪斜
- 5、所有材料需满足ROHS标准

△c										
△b										
△a										
标记	处数	更改内容	签名	日期	料号	15-022552-01			说明书	
设计	李丹丹	标准化			视角	重量	比例	数量	单位	
审核	李运龙	审定				(Kg)				
批准	李运龙	版本		A0					mm	
工艺		日期		2024-08-27	共 1 页		第 1 页			易事特集团股份有限公司