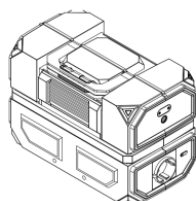


Technaxx® * operating instructions

Technaxx 300W/600W/1200W Powerstation

TX-201/TX-202/TX-231

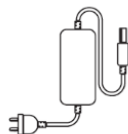
Before using the appliance for the first time, please read the instructions for use and safety information carefully.



Explorer



Car Charger Cable



AC & AC charger cable(2 Parts)



Y Parallel Cable



User Manual

Service phone No. for technical support: 01805 012643* (14 cent/minute from German fixed-line and 42 cent/minute from mobile networks).

Free Email: **support@technaxx.de**

*The support hotline is available Mon-Fri from 9 am to 1 pm & 2 pm to 5 pm.

Keep this user manual for future reference or product sharing carefully. Do the same with the original accessories for this product. In case of warranty, please contact the dealer or the store where you bought this product.

Enjoy your product * Share your experience and opinion on one of the well-known internet portals.

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Explanation of Warning Symbols and Notes

	Risk of electric shock This symbol indicates product parts energized with a dangerous voltage of sufficient magnitude to constitute a risk of electric shock.
	Warning This symbol is used to indicate safety instructions or to draw your attention to specific hazards and risks.
	This symbol is used to indicate additional information or important notes.
	Do not stare at operating lamp. May be harmful to the eyes. CAUTION: Possibly hazardouz optical radiation emitted from this product.

Danger!

When using the equipment, a few safety precautions must be observed to avoid injuries and damage. Please read the complete operating instructions and safety regulations with due care. Keep this manual in a safe place, so that the information is available at all times. If you give the equipment to any other person, hand over these operating instructions and safety regulations as well. We cannot accept any liability for damage or

accidents which arise due to a failure to follow these instructions and the safety instructions. Do not use this product near heat sources such as fires or stoves.

Avoid contact with any liquid. Do not immerse the product in water or get it wet. Do not use this product in rain or wet conditions. Do not use this product in environments with strong static electricity/magnetic fields.

Do not disassemble the product in any way or pierce the product with sharp objects. Do not insert any metal objects inside this product, as this creates a risk of electric shock and can cause irreparable damage to the product. Do not use any unofficial components or accessories. For replacement of any parts or accessories, please contact your dealer for advice. When using the product, please strictly abide by the ambient temperature specified in this user manual. If the temperature is too high, it may cause a fire or explosion; if the temperature is too low, the performance of the product may be severely degraded, or the product may stop working. Do not place any heavy objects on top of the product.

During use, do not forcibly block the fan operation or place the product in a non-ventilated or dusty place. Please avoid shock, drop or severe vibration when using the product. In case of severe external shock, immediately turn off the power and stop using the product. Make sure the product is securely fastened during transportation to avoid vibration and shock. If the product is accidentally dropped into water during use, please place it in a safe and open place and keep it away from it until it is completely dry. Dried product should not be reused and should be disposed of properly in accordance with Disposal Guidelines below. If the product catches fire, we recommend that you use the fire extinguisher in the following order: water or mist, sand, fire blanket, dry chemical, and finally a carbon dioxide fire extinguisher. Use a dry cloth to remove dirt from the product ports. Place the product on a flat surface to prevent damage from tipping over the product. If the product is overturned and seriously damaged, turn it off immediately, place the battery in an open place, away from flammable objects and people, and dispose of it in accordance with local laws and regulations. Make sure to keep the product out of the reach of children and pets.

Hints

- The device is intended exclusively for private and not for commercial use.
- Only use this device as described in this user manual.
- Do not place any part of this device in water or any other liquid.
- Do not handle the device with wet hands.
- When disconnecting the cable, always pull at the plug. Do not pull on the cable itself.
- Do not let the cord on the edge of a table or work surface.
- Prevent it comes into contact with hot

surfaces. ● Keep it away from heat sources to avoid deformation of plastic parts.

Safety Instructions

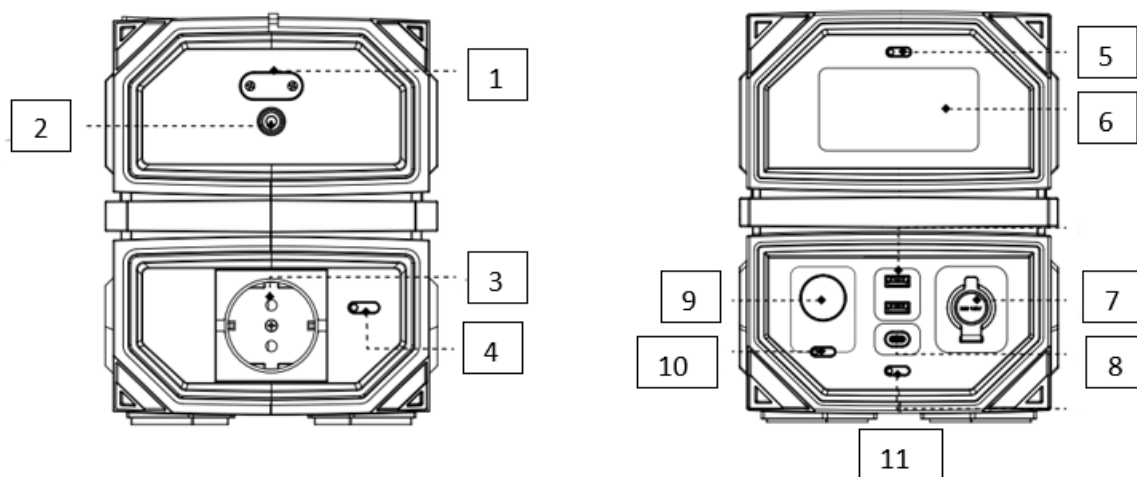
- Children are not allowed to play or use the equipment.
- Unless supervised, children are not allowed to clean the equipment and carry out user-level maintenance work.
- Any errors made in following the safety regulations and instructions may result in an electric shock, fire and/or serious injury.
- The equipment and packaging material are not toys.
- Do not let children play with plastic bags, foils or small parts.
- There is a danger of swallowing or suffocating!
- The device is intended only for private use.
- Only operate the product indoors or under dry condition
- Keep children and bystanders away from your work area.
- Do not use the unit in a damp or wet environment.
- Ensure that there is sufficient lighting.
- Do not expose the unit to direct sunlight, rain or snow.
- Do not use the charger near explosive gases or liquids.
- Keep the item in a dry, safe place out of the reach of children.
- Do not carry the item by the cable and do not pull on the cable to pull the plug out of the socket.
- the plug from the socket. Protect the cable from heat, oil and sharp edges.
- Before use, make sure that the unit and all cables are in perfect condition.
- If the cable is damaged, have it replaced by an authorised specialist workshop.
- Do not attempt to carry out any repairs yourself.
- Always disconnect the item from the mains when not in use.
- Keep all the ventilation slots clean.

Features

	TX-201	TX-202	TX-231
Output	300W/ 230V,50Hz pure sine wave	600W/ 230V,50Hz pure sine wave	1200W/ 230V,50Hz pure sine wave
Socket	1 x Schuko	2 x Schuko	
USB			
USB-A	2 x 5V 3.1A max. 15W shared		
USB-A		2 x USB-A (QC 3.0), DC5V,3A, DC9V,2A, DC12V,1.5A, max 18W (shared)	
USB-C	1 x 60W max, (DC 5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 3A))		
		1 x PD (DC 5V 3A, 9V 3A, 12V 3A, 15V 3A, 20V 5A) (Max 100W)	
Cigarette port	1 x 12V 10A (120W max.)	1 x 12V 10A 2 x 12V 10A	

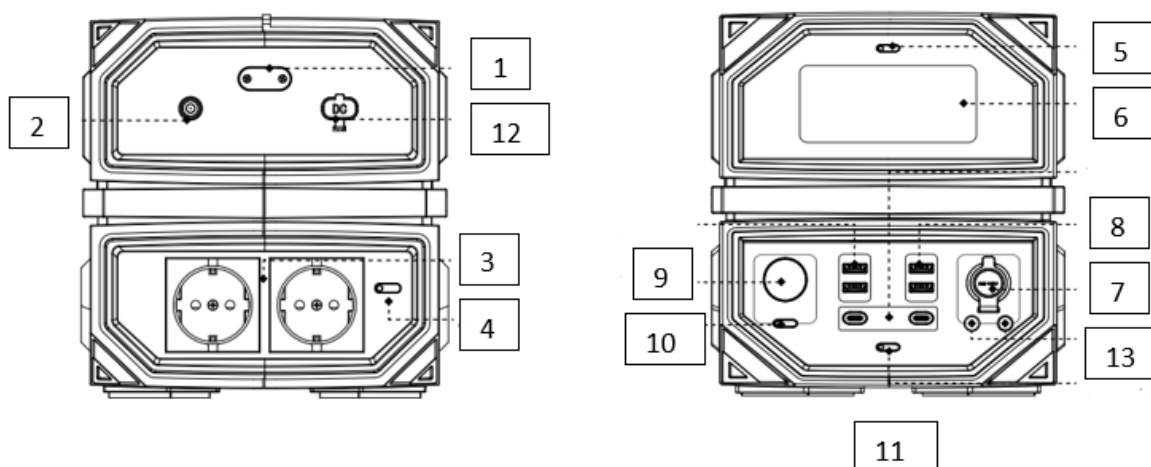
		(120W max. shared)	
LED Light	3 different function 2W		
Input			
Hollow Socket 1 X 7909	DC 11-30V, 5A (100W max)	DC 11-30V, 6A (150W max)	na
XT60	non	DC 11-30V (max.150W)	DC 11-36 (max.240W)
USB-C	1 x Battery activation port max. 5V, 2A max.		
Battery	Li Ion		
Capacity	12,5AH/ 315Wh	20Ah, 504Wh	36.4Ah/917,28Wh
Voltage	25,2V		
Safety function	Overload-, Over Voltage- Over Current-, Short Circuit-, and Low Voltage- Protection		
Display	Remaining Power, Input Power, output Power, remaining run time, remaining charging time, Inverter Rated Power, Temperature Status, Fan icon, Warning		
Dimensions	27 x 15 x 18.2 cm	28.7 x 20.5 x 19.8 cm	39 x 22 x 29 cm
Weight	3.9kg	6.25kg	12.3kg

Product overview TX-201 300W



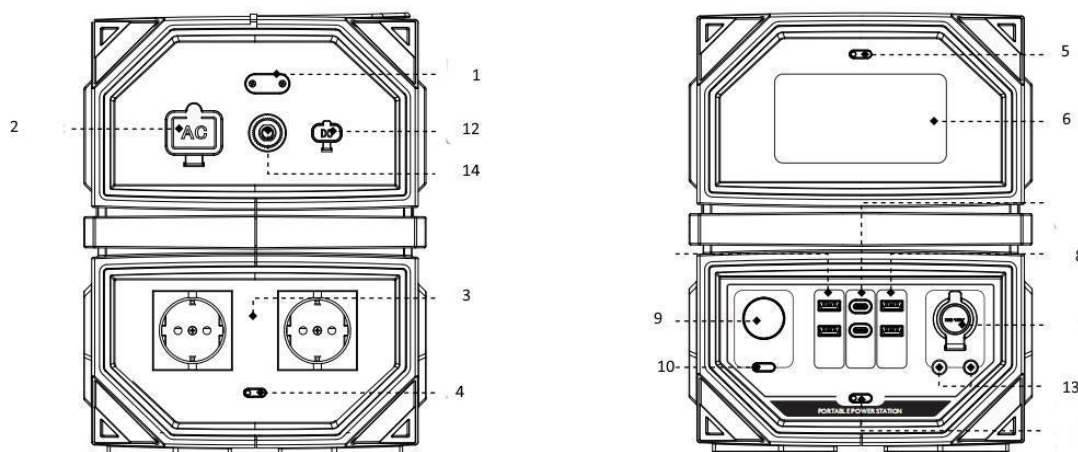
1	Battery reactivation port	6	Display
2	DC Input	7	Cigarette lighter port
3	Schuko Socket	8	USB ports
4	AC switch	9	LED Light
5	Display switch	10	LED switch
11	DC switch		

Product overview TX-202 600W



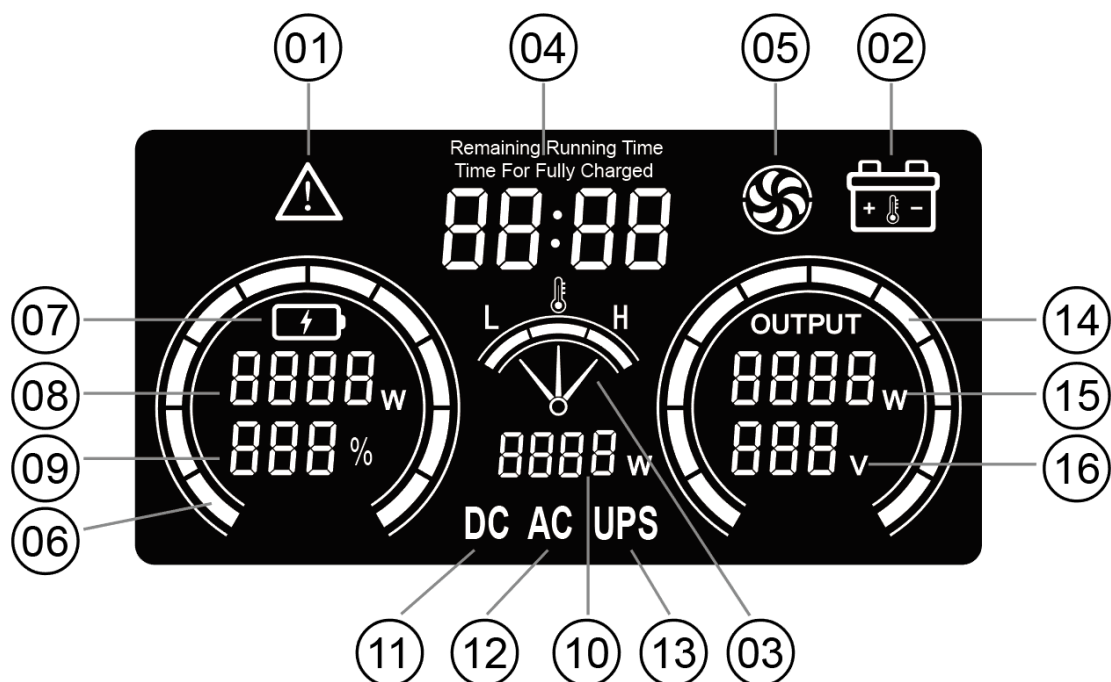
1	Battery reactivation port	6	Display
2	DC Input	7	Cigarette lighter port
3	Schuko Socket	8	USB ports
4	AC switch	9	LED Light
5	Display switch	10	LED switch
11	DC switch	12	XT 60 Solar input
13	2 x DC Out 12V 10A max. 120W (shared with cigarette lighter)		

Product overview TX-231 1200W



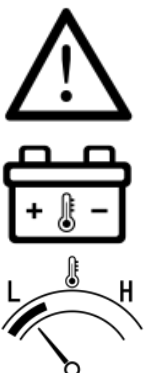
1	Battery reactivation port	6	Display
2	AC Input	7	Cigarette lighter port
3	Schuko Socket	8	USB ports
4	AC switch	9	LED Light
5	Display switch	10	LED switch
11	DC switch	12	XT 60 Solar + car Adapter input
13	2 x DC Out 12V 10A max. 120W (shared with cigarette lighter)	14	Reset Button

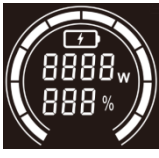
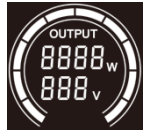
Display



1	Failure, overheat, Overload, short circuit	2	Battery high, Low temp. Fault
3	Temp. Status	4	Battery: un- charge time
5	Fan	6	Battery Display
7	Charge Icon	8	Charge Power
9	Battery Power	10	Inverter Power
11	DC out	12	AC out
13	Main Charge *	14	Load status
15	Load Power	16	AC output volatge

*UPS Mode only on TX-231

Icon Number	Figure	Fault Description and Handling Methods		
1		Inverter fault icon, displayed when fault occurs (Including: short circuit, overload, under voltage, over voltage, over temperature, etc.) When the voltage is undervoltage, there will be a "di...di..." alarm sound (10 seconds), and the AC icon on the LCD screen will flash, and the green light on the AC switch button will flash.		
2		Battery failure icon		
3		 Normal temperature Figure 3 The pointer points to the middle	 Low temperature fault, icon 1 and 3 appear at the same time Figure 3 The pointer points to L	 High temperature fault, icon 1 and 3 appear at the same time Figure 3 The pointer points to H
		Battery discharge failure in low temperature environment: ✧ When the battery is protected against low temperature level I , and the icons 01, 02, and 03 are displayed at the same time, ✧ When the battery is protected against low temperature level II , LCD display is off, and red light of AC switch button flashes Recovery temperature after discharge low temperature protection: -10+/-3°C.		
		Battery charging failure in low temperature environment: ✧ When the battery is under low temperature protection, the icons 01, 02, and 03 are displayed at the same time, and the icon 03 is flashing, Recovery temperature after charging low temperature protection: 0+/-3°C.		
		Battery discharge failure in high temperature environment: ✧ When the battery is protected against high temperature level I , and the icons 01, 02, and 03 are displayed at the same time, ✧ When the battery is protected against high temperature level II , LCD display is off. At the same time, the red light of the AC switch button flashes, After the battery cools down, it resumes normal operation.		
		Battery charging failure in high temperature environment: ✧ When the battery is protected against high temperature,		

		the icons 01, 02, and 03 are displayed at the same time, and the icon 03 is flashing, After the battery cools down, it resumes normal operation.
4		Time for fully charged Battery running time
5		Fan icon (appears when the fan is working)
6~9		Icon 06: Battery power display (about 10% per grid); When charging, the bar corresponding to the battery will flash; if the battery shows 0%, the Icon 06 will flash. Icon 07: Battery charging icon (appears while charging) Icon 08: Battery charging power (appears while charging) Icon 09: Battery percentage
10~13		Icon 10: Power Station Specifications (Inverter Power) Icon 11: Appears when the DC switch is turned on, flashes when overloaded or short-circuited. Icon 12: Appears when the AC switch is turned on, and flashes any fault occurred (Including: short circuit, overload, under voltage, over voltage, over temperature, etc.) Icon 13: UPS mode icon, displayed when the utility power is connected (only TX-231).
14~16		Icon 14: Display of total load power (about 10% per grid) Icon 15: Total load power (sum of all loads, including: AC, USB-A, TYPE-C, DC, LED light) Icon 16: AC output voltage

When the unit is charged and under load at the same time, it may happen that the display shows unreasonable values on input and output Display, e.g. if the unit get charged with a power of 100W and discharged with a power of 50W, the display shows less than 50W charging power. This happen because of a priority connection of the input power circuit, this input power get directly used to operate the item on the 230V output port.

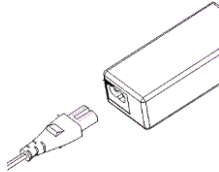
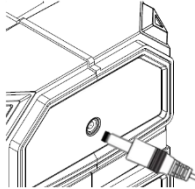
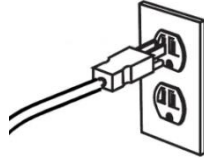
If the output power is bigger than the input power you may see that the Display show a smaller number of consumed power, e.g. charge with 100W, discharged power is 200W, the display show ~100W on the output Display.

How to charge the device

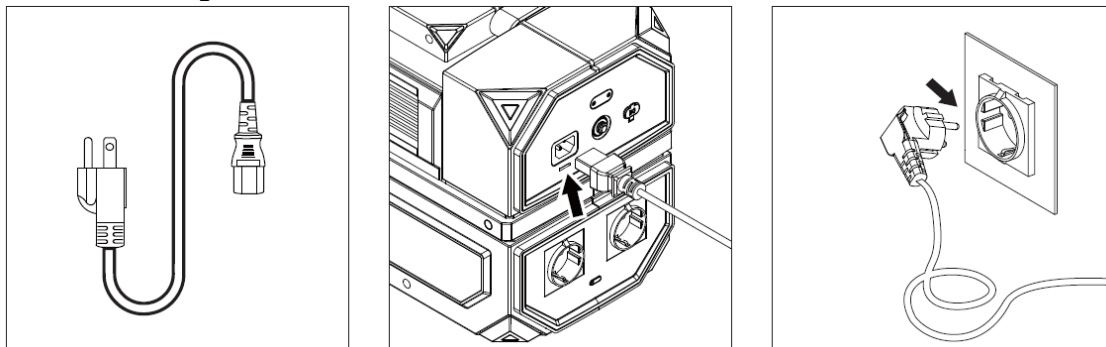
The battery power of the energy storage power supply will be consumed during use. You can choose the following methods to charge the energy

storage power supply : Note: All models do not support multiple charging methods at the same time, only one of them can be selected for charging.

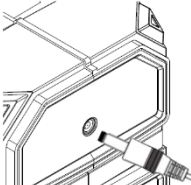
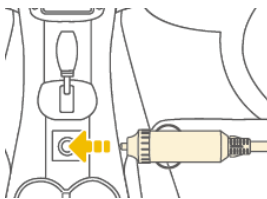
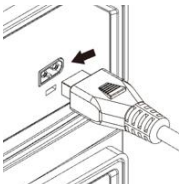
By AC-Adapter TX-201/202

		
Connect the AC plug cord to the adapter	Insert the adapter DC output plug into the device charging port	Insert the adapter AC plug into the mains outlet

TX-231 by mains



By Car Adapter TX-201/201

	Insert the DC output plug into the device charging port		Insert the car cigarette lighter plug into the car cigarette lighter
	TX-231 use this port for car adapter		

By Solar panel

Make sure the solar panel output is in the range of the allowed input parameter (see table above) we suggest to use the 100W Solar Panel TX-206 foldable Solar Panel or TX-208 flexible Solar Panel. Both panels are equipped with different connector's fitting the Powestation TX-201, TX-202 and TX-231.

By battery reactivation port.

The battery reactivation port (1) is for rescue charging only, use this charging method if other way of charging is not possible only!

Remove the protective cover with a screwdriver, plug the Type-C charging cable (not included) into the charging port, and plug the charger (not included) into the mains socket. It takes a long time to charge here (about 10-14 hours) until the LCD screen lights up.

Use of Product

The Products have different function units inside, each is equipped with a switch to switch the relevant function on or off

Display:

To activate the Display, hold the switch for ~1 second, the Display lights up and show the relevant status-information for further details go to the point Display. It will automatically turn off if there is no operation for 5 minutes; you can press any button to wake up.

DC unit:

To activate the DC ports USB and 12V), hold the DC power switch for ~1 second, the switch will light up and show the DC unit is ready to use.

AC Unit.

To activate the AC ports, hold the AC power switch for ~1 second, the switch will light up and show the AC unit is ready to use. We suggest to switch the AC ports off as long as they are not used, the internal inverter need battery power as well as no item is connected.

LED:

To activate the LED hold the LED switch for ~1 second, the LED will light up, press the switch again to change the different functions.

Troubleshooting

Fault Category	Fault Description and Handling Methods
Battery High Temperature Protection	Put the device in a cool and ventilated place, and it can be restored after the temperature is lowered. Notice: Do not directly cool the equipment by freezing, so as not to damage the equipment!!!
Battery Low Temperature Protection	Put the device in a warm environment, and it can be restored after the temperature rises. Notice: Do not put the device into the oven, or directly heat the device by other means to avoid danger!!!
DC does not charge (Car / Solar / Adapter)	Please check if the charging voltage meets the device requirements: (Car/Solar charging) DC charging voltage requirements 11-30VDC (TX-201/202), 11-36V (TX-231)
	Please check if the indicator light on the power adapter is on, if not, please check: Is the adapter connected, Whether the AC socket is normal, and whether the AC mains is normal; (Note:

	The inspection requires professionals and professional equipment to avoid electric shock)
	Battery high temperature or low temperature protection, please refer to the corresponding method.
AC can not Charge (TX-231)	1. Please check that the AC cord is connected. 2. Please check whether the AC socket is normal and whether the AC mains is normal; (Note: The inspection should be operated by professionals and professional equipment to avoid electric shock) 3. Please check whether the reset switch pops up, if so, press the red button to restore. 4. Battery high temperature or low temperature protection, please refer to the corresponding method for handling.
No AC output	Check that the AC switch is on. (On: the green indicator light on the button is on, off: the indicator light is off)
	Check whether the load device is connected to the AC output
	The equipment is overloaded or short-circuit protected. After reducing the load or eliminating the fault, it can be restored after restarting.
	Battery under-voltage protection, need to be charged before use; AC switch should be turned off and then turned on. The reset switch pops up due to overload, and the load needs to be reduced. Press the red button to restore TX-231 only
Cigarette lighter, DC Ports, USB, TYPE-C no output	Whether the DC switch is on. (On: the green indicator light on the button is on, off: the indicator light is off)
	Check whether the green indicator on the switch button is flashing. If it flashes, it may be caused by overload or short circuit or over temperature of the DC module. After checking and troubleshooting, it can return to normal.
	Overload recovery: reduce the load to within the rated range,
	Short-circuit recovery: check the load equipment and eliminate the short-circuit fault,
	Module over-temperature recovery: suspend use and resume after cooling.
LED light does not light up	Battery under-voltage protection, need to be charged before use
	Battery high temperature or low temperature protection, please refer to the corresponding method
LCD not responding	Battery high temperature or low temperature protection, please refer to the corresponding method
	If the battery is seriously short of power, charge it through the battery rescue port until the LCD screen is lit, and then fully charge it in the usual way

Example of usage

	TX-201 300W	TX-202 600W	TX-231 1200W
Min. loading time	45 min.		30 min.
Load ... up to			
Mobile phone	23 x	37 x	70 x
Tablet	11 x	18 x	36 x
Drone	21 x	34 x	65 x
Camera	18 x	29 x	50 x

Notebook	5 x	8 x	15 x
Run mini Refrigerator	4h	6h	11h

The table above should give you an indication, depending on your devices, capacity of the batteries you may get different results with your products. Mini refrigerator may not start if they are driven by compressor, due to high current during starting process.

Cleaning and maintenance

Danger! Always pull out the mains power plug before starting any cleaning work. Keep all safety devices, air vents and the housing free of dirt and dust as far as possible. Wipe the equipment with a clean cloth or blow it with compressed air at low pressure. • We recommend that you clean the device immediately each time you have finished using it.

• Clean the equipment regularly with a moist cloth and some soft soap. Do not use cleaning agents or solvents; these could attack the plastic parts of the equipment. Ensure that no water can seep into the device. The ingress of water into an electric tool increases the risk of an electric shock. • The charger should be placed in a dry room for storage. Any corrosion must be cleaned off the charging terminals.

Declaration of conformaty



The EU declaration of conformity can be obtained from the address given www.technaxx.de/ (in bottom bar "Konformitätserklärung").

Disposal



Dispose of packaging. Dispose of the packaging according to type. Dispose of cardboard and carton in the waste paper foils to the recyclables collection.

Dispose of old appliance (Applicable in the European Union and other European countries with separate collection (collection of recyclable materials) Old appliances must not be disposed of with household waste! If the product can no longer be used, every consumer is legally obliged to dispose of old appliances separately from household waste, e.g. at a collection point in his or her municipality or district. e.g. at a collection point in his or her municipality/borough. This ensures that old appliances are recycled properly and that negative impacts on the environment are avoided. This is why electrical appliances are marked with the symbol shown here.





Batteries and rechargeable batteries must not be disposed of in household waste! As a consumer, you are required by law to dispose of all batteries and rechargeable batteries, whether they contain harmful substances* or not, at a collection point in your community/city or with a retailer, to ensure that the batteries can be disposed of in an environmentally friendly manner. * marked with: Cd = cadmium, Hg = mercury, Pb = lead. Return your product to your collection point with the fully discharged battery installed inside!

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Vertrieben durch:
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