



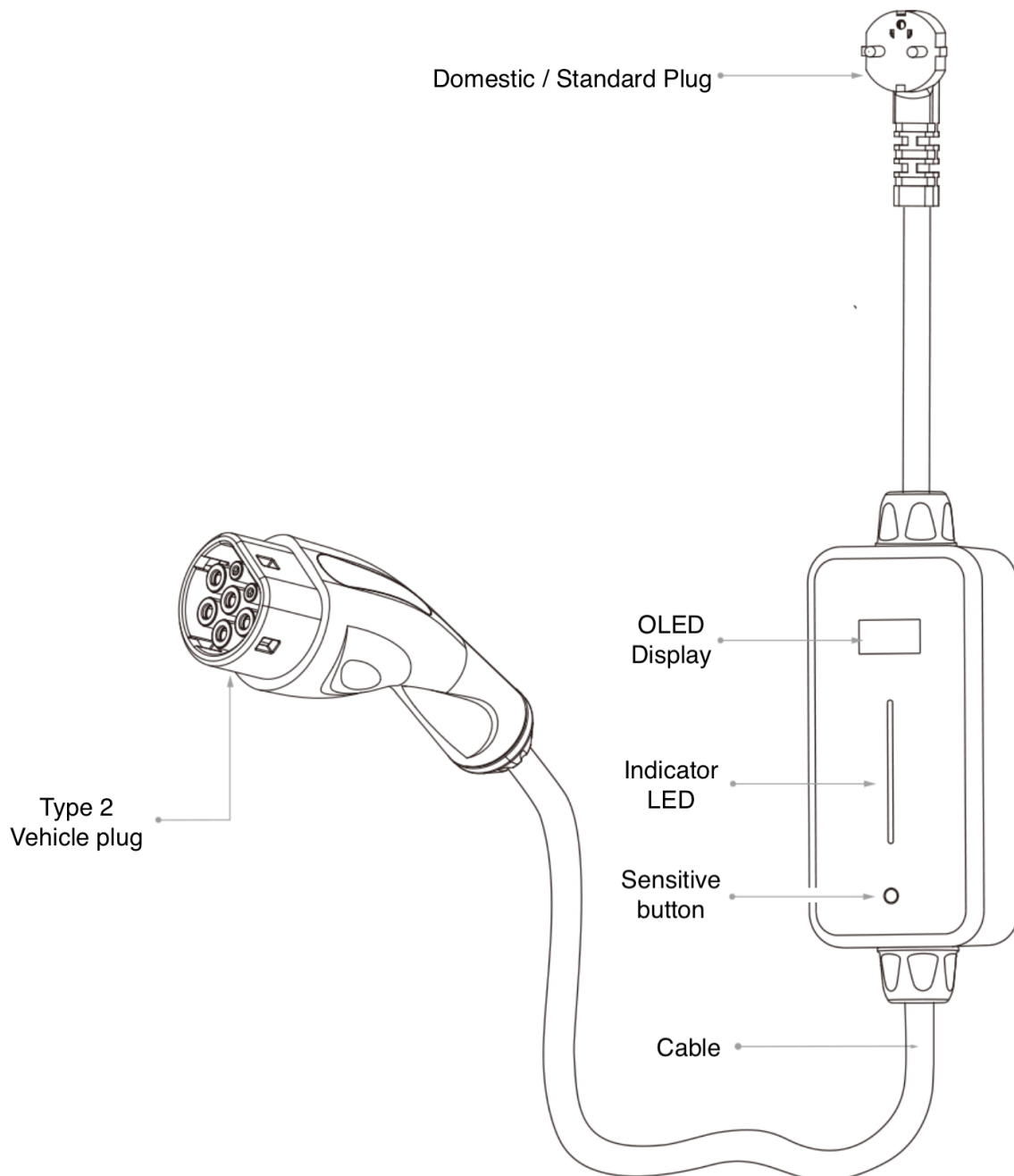
Mode 2 Charging Cable

User Manual






Thank you for purchasing this DUOSIDA product! Please read these instructions before using this equipment.

Overview

1. This equipment complies with IEC 62752
2. This equipment is a domestic or reinforced socket charging cable for electric or hybrid rechargeable vehicles. **It must not be used at a current higher than 10A on a standard domestic socket. Please ensure that the socket used is a reinforced socket dedicated to charging electric vehicles and follow the manufacturer's instructions for the maximum charging current supported before charging at a current higher than 10A.**
3. Do not expose the equipment to corrosive gases, heavy rain or high moisture. Avoid shocks to preserve the integrity of the casing.



LED Status indicator

Description des différents états de la LED					
Couleur	État	Signification	Couleur	État	Signification
	Clignotant	Réseau électrique OK En attente de connexion		Clignotant	Recharge différée programmée
	Défilant	Recharge en cours		Fixe	Erreur (voir écran)
	Fixe	Recharge terminée			

OLED Display

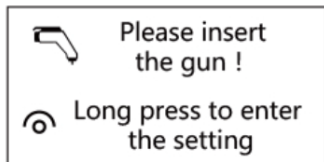


Figure 1

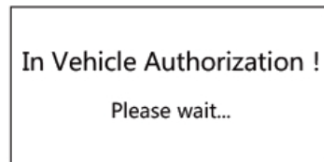


Figure 2

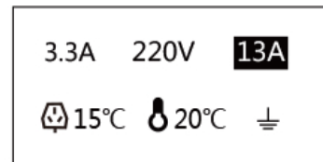


Figure 3

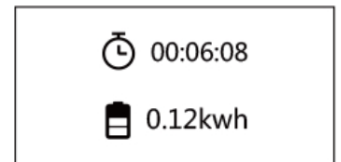


Figure 4

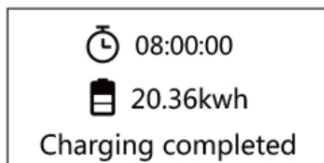


Figure 5

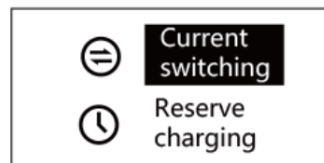


Figure 6

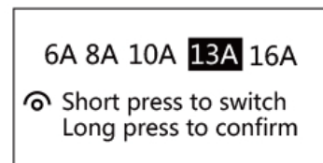


Figure 7

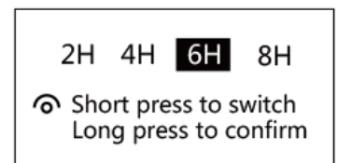


Figure 8

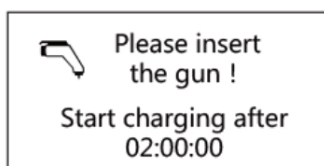


Figure 9

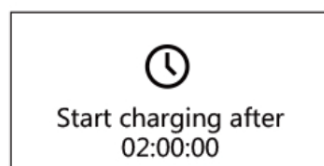
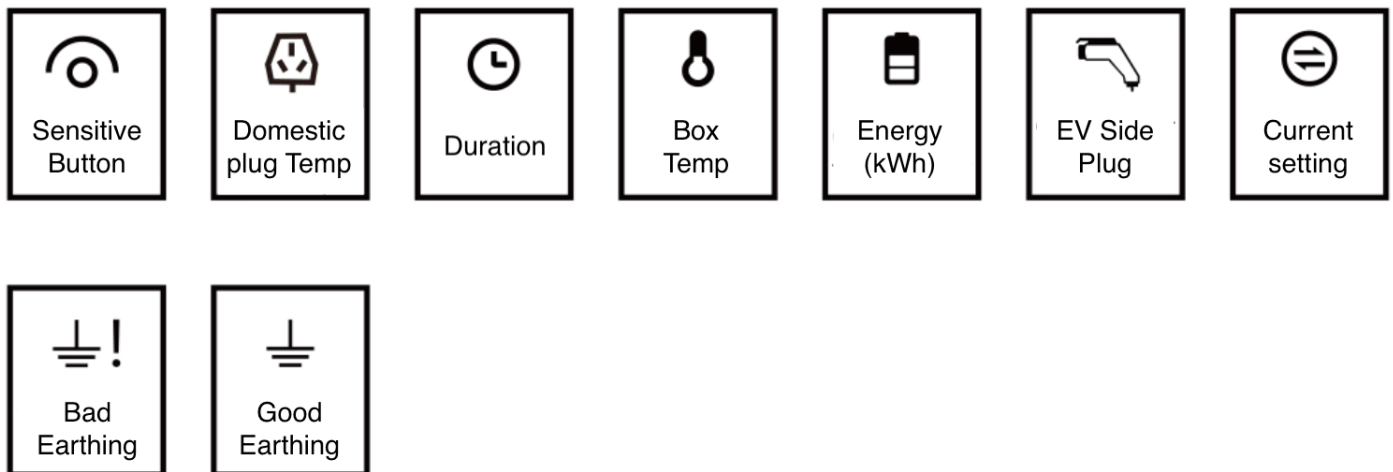


Figure 10

Description of on-screen symbols



Operation

Normal recharge :

1. Connect the domestic plug of the cable to a standard or reinforced domestic socket. The box powers up and the LED flashes green to indicate normal operation. The display will be as shown in Figure 1.
2. Check the type of wall socket used. **If it is not a reinforced socket dedicated to charging electric or hybrid vehicles, the charging current must not exceed 10A.** Please refer to the section on **Setting the charging current** before proceeding to select an appropriate charging current.
3. Connect the Type 2 plug to the vehicle. The charging process starts (Figure 2), then the LED goes into scrolling mode. During recharging, the display alternates between the different recharging parameters (Figure 3 and 4)
4. When recharging is complete, the LED will be steady green and the Figure 5 screen will show the recharging statistics.

Setting the charging current :

1. Connect the domestic plug of the cable to a standard or reinforced domestic socket. Do not connect the vehicle. The LED flashes green.
2. Press and hold down the sensitive button to enter the configuration menu (Figure 6). Then press and hold the button a second time to enter "Current switching". Select the desired current by pressing briefly on the sensitive button. Then press and hold down to confirm (Figure 7) **Caution: do not exceed 10A if you are not using a reinforced socket!**

Delayed recharge :

1. Connect the domestic plug of the cable to a standard or reinforced domestic socket. Do not connect the vehicle. The LED flashes green. Enter the configuration menu by pressing and holding the sensitive button (Figure 6).
2. Select "Reserve Charging" with a short press, then confirm with a long press.
3. Select the start-up delay by pressing briefly, then confirm by pressing and holding (Figure 8).
4. Connect the vehicle. The display will show the countdown before the automatic recharge starts (Figure 10).

Error messages on the OLED display (red LED on steady) :

- **"Self test error"** : internal problem, restart the box.
- **"Undervoltage protection"** : voltage below 85 Volts detected, charging interrupted until voltage returns to normal.
- **"Overvoltage protection"** : voltage greater than 275 Volts detected, charging interrupted until voltage returns to normal.
- **"Overcurrent protection"** : current drawn by your vehicle 1.2 times higher than the set value. After 3 attempts, recharging stops completely. Have your vehicle's charging system checked.
- **"Short Circuit Protection"** : Short circuit detected, charging interrupted. Check the condition of the cable and the vehicle before restarting charging.
- **"Leakage protection"** : RCD tripped, charging interrupted. Check your electrical installation, the cable and the vehicle before restarting.
- **"Communication error"** : the vehicle does not respond to commands, recharging impossible. Check that the vehicle is not on standby.
- **"Overheating protection"** : the case temperature exceeds 85°C, recharging will resume after cooling.

Warnings :

- Recharging must only be carried out on an electrical installation that complies with local regulations.
- The use of incorrect sockets or electrical installations may damage the product or even cause a fire.
- The charging current used must be adapted to the type of socket. Only a reinforced domestic plug can be used at currents higher than 10A. Please refer to the plug manufacturer's instructions for the maximum current that the plug can withstand.
- Do not attempt to repair the equipment if it is damaged. Do not modify the equipment.
- Repairs of this equipment should only be carried out by a qualified professional.
- Do not use the equipment if it is damaged.
- This product is designed for recharging electric vehicles in accordance with IEC 62752. Do not use it for any other purpose.
- Do not use adapters or extension leads with this product.
- N'insérez pas vos doigts ou tout autre objet dans le connecteur de recharge.
- Always connect the box to the wall socket first, then to the vehicle. To disconnect, unplug first on the vehicle side, then on the wall socket side.
- To ensure the safety of users, this equipment must only be used in an earthed socket outlet.
- Do not expose the device to heavy rain or extreme heat.
- Do not roll over the cable or casing, or expose it to strong shocks.
- The cable between the wall socket and the vehicle must not be stretched to prevent the socket from overheating and becoming disconnected unintentionally.

Technical specifications

- Norme : IEC 62752
- Rated input voltage : 230Vac 50Hz
- Rated output voltage : 230Vac 50Hz
- Charging currents : 6A/8A/10A/13A/16A
- Ingress protection : IP67 (Boîtier uniquement)
- Type 2 connector lifetime : >10 000 Cycles
- Flame retardant : UL94-V0
- Operating temperature : -30°C à +50°C
- Control signal voltage : +/-12Volts (5%)
- Control signal frequency : 1000 Hz +/-30Hz
- Insulation resistance : >1000MOhms
- Standby power consumption : <3 Watts
- Storage temperature : -40°C à +80°C
- Operating altitude : <2000m
- Lightning protection level : D

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The company has been awarded IATF16949/ISO9001 quality management system certification.