



0-648-75 - EV Type 2 Charger 110-230VAC, 6-13Amp, 3.6KW

Durite EV Type 2 110 - 230VAC (50-60Hz), 6 - 13Amp (Adjustable) Charger. Input 110 - 230VAC. Output: 110 - 230VAC, 3.6KW
Max. IEC 62752 , IEC 61851. UKCA, CE, RoHS, REACH Approved.

- Short circuit protection
- Over and under frequency protection
- Over Current Protection
- Leakage Current Protection (restart recover)
- Over Temperature Protection - Overload protection (self-checking recover)
- Ground Protection
- Over voltage and under-voltage protection



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WARNINGS

1. Use charger for charging Li Ion batteries only.
 2. Do not use battery charger for other types of batteries, these may burst and cause injury to persons and damage to property.
 3. Use only attachments recommended or sold by manufacturer. Use of non-recommended attachments may result in fire, electric shock, or injury.
 4. When disconnecting the battery charger, pull by the plug, not by the cord. Pulling on the cord may cause damage to cord or plug.
 5. Do not operate charger with damaged cord or plug. Have cord replaced immediately.
 6. Do not operate charger if it has received a sharp blow, been dropped, or otherwise damaged in any way. Take it to a qualified professional for inspection and repair.
 7. Do not disassemble charger. Take it to a qualified professional when service or repair is required. Incorrect reassembly may result in electric shock or fire.
 8. To reduce risk of electric shock, unplug charger from outlet before attempting any maintenance or cleaning.
- Do not use an extension cord unless absolutely necessary. Use of an improper extension cord could result in fire or electric shock. If an extension cord must be used, make sure that:
- Pins on plug of extension cord are the same number, size, and shape as those of plug on charger.
 - Extension cord is properly wired and in good electrical condition.
 - Wire size is large enough for AC ampere rating of charger
9. Always charge battery in a well-ventilated area. NEVER operate in a closed-in or restricted area without adequate ventilation. WARNING: Risk of explosive gas.
 10. Locate charger as far away from battery as DC charger cable's permit.
 11. Do not expose charger to rain or snow.
 12. NEVER charge a frozen battery. If battery fluid (electrolyte) is frozen, bring into a warm area to thaw before charging.
 13. NEVER allow battery acid to drip on charger when reading specific gravity or filling battery.
 14. NEVER set a battery on top of charger.
 15. NEVER place charger directly above battery being charged. Gases from battery will corrode and damage charger.
 16. NEVER touch the battery clips together when the charger is energized.
 17. WARNING: Wear complete eye protection and clothing protection, when working with lead-acid batteries.
 18. Make sure someone is within range of your voice or close enough to come to your aid when you work with or near a battery.
 19. Have plenty of fresh water and soap nearby for use if battery acid contacts skin, clothing, or eyes. If battery acid contacts skin or clothing, wash immediately with soap and water.
 20. Avoid touching your eyes while working with a battery. Particles (corrosion) may get into your eyes! If particles enter your eye, immediately flood eye with running cold water for at least 10 minutes. Get medical attention immediately.
 21. Remove all personal metal items such as rings, bracelets, neck laces, and watches when working with a battery. A battery can produce a short-circuit current high enough to weld a ring.
 22. Take care not to drop a metal tool or other metal onto the battery. Metal may cause sparking or short circuit the battery or another electrical device. Sparking may cause an explosion.
 23. Always operate battery charger in an open well-ventilated area.
 24. NEVER smoke or allow a spark or flame in the vicinity of the battery or engine. Batteries generate explosive gases!

PRODUCT DESCRIPTION

EV Charging Control box with LED Display



Condition	LED Display Status			
	Green(One)	Green (Two)	Green (Three)	Fault (Red)
Initial Mode	Light on	Lights Out	Lights Out	Lights Out
Connected mode	Light on	Twinkle (1S)	Lights Out	Lights Out
Charging Mode	Racing light	Racing light	Racing light	Lights Out
Finished Mode	Light On	Light On	Light On	Lights Out
Fault Mode	Lights Out	Lights Out	Lights Out	Twinkle

OPERATION

Use the current switch button (see below image) to select the maximum charging current. Select the charging current before inserting the charging plug (car side).



How to start charging

Step 1. Take out the charger and firmly insert the plug into socket-outlet

Step 2. Pull cap, completely plug the vehicle connector into vehicle inlet.

Step 3. The device start charging automatically while the READY/CHARGE, POWER indicators are all green.

Step 4. Factory default current is 16A, please press the button of "CURRENT SETTING" to adjust your required current. amperes to max. 16ampere cycles. The device will default to the last current setting when we charge next time.

How to stop charging

Step 1. Press the button and disconnect the vehicle connector from the vehicle inlet.

Step 2. Close protective cap of vehicle inlet, put on the protective cap of vehicle connector.

Step 3. Disconnect the plug from the socket-outlet.

Step 4. Pack up the EV charger cable and put into the bag.



TECHNICAL SPECIFICATIONS

Type	EV Type 2 Charger 13A Max
Input Voltage	110-230VAC
Output Voltage	110-230VAC
Output Current	6A, 8A ,10A ,13A Max
Mechanical Life	10,000 No Load Plug in / Pull Out
Cable Length	5 Metres
Battery Types	Li Ion
Ingress Protection	IP67
Material Construction	ABS, PC (Flame retardant grade UL94 V-0)
Weight	2.3Kg
Dimensions	Please see below
Operating Temperature	-25°C to +55°C (Relative Humidity 20-85%)
Storage Temperature	-40°C to +80°C
Certificate	UKCA, CE, RoHS, REACH

TECHNICAL DRAWING

