



MERCURY 7

USER MANUAL

Level 2 PHEV / EV Portable Intelligent EV Charger
Expert in Safe Portable EV Charging

Controller OLED Detailed Display Screen

Model B IEC 62752 AC30mA DC6mA

	LED Status	LED Light Indicator
● Yellow	Flash	Fault
● Green	On Slow flash Fast flash Pulse	Ready Connected Error Charging
● Red	Light on	Charging



Quick Steps Guide

①



Connect power cord to grid

②



Double tap to set ampere

③



Charge vehicle

④



Double tap to set delayed start timer

Specifications

Input: 230V AC 50 Hz/ 60Hz 6A-32A (Max)
Output: 230V AC 50Hz/ 60Hz 6A-32A (Max)
Operating Temperature: -25°C to +45°C
IP Class for EVSE enclosure: IP 55
Attention: Max amperes depend on power side plug

Controller OLED Detailed Display Screen

00:00:00

Ready

19°C

230V 0.00KW

16A 0.0A

0.000KWH

Normal grounding

00:00:00

Charging

18°C

230V 0.00KW

16A 0.0A

0.000KWH

Socket' PE fault

00:00:00

Current charging time

19°C

Current controller temperature

0.00KW

Current charging power

16A

Current charging current mode

Has connected to the vehicle & waiting for the vehicle to match

Delayed charging

End of charging

Ready

Waiting for charging

230V

Current charging voltage

0.000KWH

Current charge

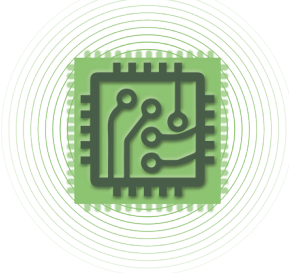
0.0A

Current charging current

Charging...(Dynamic figure guide)

The car is disconnected, please connect the vehicle (Dynamic figure guide)

Circuit Board Sensor



> 70 °C

Reduce ampere automatically



> 85 °C

Suspend charging automatically



< 75 °C

Automatically resume charging



Safety Protection



Vehicle pulsating DC leakage protection



Pressure resistant flame retardant



Electrostatic protection



Earthing detection protection



Crush test



Circuit board temperature sensor



Under voltage protection



Lightning protection



Over voltage protection



Waterproof protection



Intelligent kernel

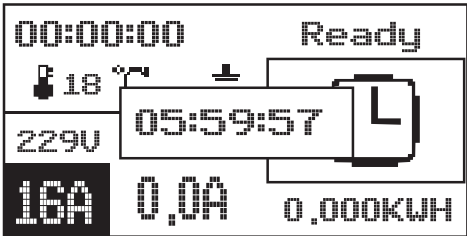
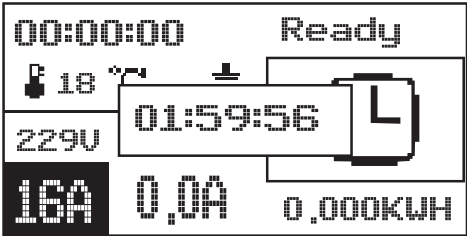


Over current protection

Product Specifications

Specifications of Mercury 7 EVSE Charger	
	Type 2
Standard	IEC 62196-2
Current	32A: 10A 16A 20A 24A 32A adjustable
Input	220/380V AC 50Hz/60Hz
Output	220/380V AC 50Hz/60Hz
IP Class	55
Operating Temperature	-25°C to +45°C

Timer Function



Use the Delayed Start Timer to schedule your charging session. This allows you to charge whenever you want and save from off-peak electricity charging rates.

No. of Double Tap	Timer Status
Double tap once when the plug is connected to the car to schedule the charging session.	No timer; charging starts immediately
Tap to get 3 lights LED on into “Set Timer Mode”	
Double tap 1 st time	Start charge session after 2 hours
Double tap 2 nd time	Start charge session after 4 hours
Double tap 3 rd time	Start charge session after 6 hours
Double tap 4 th time	Start charge session after 8 hours
Double tap again to reset timer	



Safety Information

Please note and follow these important safety instructions and warnings when using the portable charger. Failure to do so may result in damage to the portable charger, fire, electrical shock, injury or even fatality.

-  Do not force the portable charger's plug into any incompatible electrical outlet. You may use a suitable single outlet adaptor, subject to local EV charging regulations.
-  Do not use an extension cord, a multi-outlet adapter, a multi-plug, a conversion plug, or a power strip to plug in the portable charger.
-  Do not use the portable charger if it is defective, appears cracked, frayed, broken, damaged, or fails to operate.
-  Do not attempt to open, disassemble, repair, tamper with, or modify the portable charger.
-  Do not disconnect the portable charger from the wall outlet when the vehicle is charging.
-  Do not plug the portable charger into a damaged, loose or worn power outlet. Ensure that the prongs on the portable charger fit snugly into the wall outlet.
-  Do not connect or disconnect the portable charge with any electrical outlet that is not properly grounded.
-  Do not expose the portable charge to flammable or harsh chemicals or vapours. Do not use or store the portable charger in a recessed area or below floor level. When using the portable charger in such an area such as a basement garage, position its controller at least 18 inches (46cm) above the floor.
-  Do not use the portable charger if the vehicle, the portable charger or you are exposed to severe rain, snow, electrical storm or other inclement weather.

-  When transporting the portable charger, handle with care to prevent damage to any of its components. Do not subject the portable charger to strong force or impact. Do not pull, twist, tangle, drag or step on the portable charger or any of its components.
-  Protect the portable charger from moisture, water and foreign objects at all times. If any exist or appear to have corroded or damaged the portable charger, do not use it.
-  If rain falls during charging, do not allow rainwater to run along the length of the charge cable, causing the electrical outlet or charging port to become wet.
-  Do not plug the portable charger into an electrical outlet that is submerged in water or covered in snow. If, in this situation, the portable charger is already plugged in and needs to be unplugged, turn off the breaker before unplugging the portable charger.
-  Do not touch the portable charger's end terminals with sharp metallic objects, such as wire, tools or needles. Do not forcefully fold any part of the portable charger or damage it with sharp objects. Do not insert foreign objects into any part of the portable charger.
-  Ensure that the portable charger's charging cable does not obstruct pedestrians or other vehicles or objects.
-  Do not use cleaning solvents to clean the portable charger.

Caution

-  Do not use private power generators as a power source for charging.
-  Do not operate the portable charger in temperatures outside its operating range of -25°C to +45°C.
-  Store the portable charger in a clean, dry place between -25°C and +85°C.



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