



Technical Service Bulletin

93 Tips for charging on 110V or 240V outlet with an Audi mobile charger

93 22 72 2059257/2 May 19, 2022. Supersedes Technical Service Bulletin Group 93 number 20-29 dated June 12, 2020, for reasons listed below.

Model(s)	Year	VIN Range	Vehicle-Specific Equipment
e-tron quattro	2019 2021 – 2022	All	Mobile Charging
Q5 e quattro, and e-tron Sportback quattro	2020 – 2021		
A7 e quattro, and e-tron quattro	2021 – 2022		
e-tron GT, and RS e-tron GT	2022		

Condition

REVISION HISTORY		
Revision	Date	Purpose
2	-	Revised <i>Condition</i> (Updated verbiage for 240V outlets and Figure 1)



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		Revised <i>Header</i> (Added e-tron GT vehicles, Q5 PHEV and A7 PHEV)
1	06/12/2020	Initial publication

The customer is using an Audi mobile charger:

Using a 110V outlet:

- The outlet is rated at ≥ 15 amps
- The outlet and wiring are installed in accordance with the National Electrical Code (NEC, NFPA 70).
- Audi mobile charger needs to be set to 100% charge rate. If it is set to a 50% charge rate, most vehicles will not charge.

Using a 240V outlet:

- Before using a 240V outlet, the amperage capacity must be known to set the charging rate percentage.

The Mobile Charger can be used at 100% charge rate if the following criteria are met:

- Circuit Breaker: 50 Amp.
- Voltage: Single Phase, 208=240 Volts, 60 Hertz.
- Outlet type: High quality, Industrial Grade NEMA 14-50 receptacle.
- Conductors: 6 AWG recommended, Copper wiring only (Upsized wiring required for installation over 150 feet).
- Weather Protection: Install NEMA 3R (or higher) weather-resistant enclosure.
- Ventilation: Follow local building and electrical codes.
- Service Disconnect: Follow local building and electrical codes.
- Ground Fault Circuit Interrupter: Follow local building and electrical codes.
- The outlet and wiring are installed in accordance with the National Electrical Code (NEC, NFPA 70).

The Mobile Charger rate must be set to 50% charge rate if any of the above criteria are not met:



Tip: The Audi mobile charger has "last mode". This means that the last setting in terms of charge rate will be used for the next session with each respective outlet, 110V, and 240V.



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- **For example:** If your last session was on a 240V outlet with an amp rating of fewer than 50 amps, and the charge rate was set at 50% (e.g. charging on the road with limited amperage capability), and the next/current session is at home on a 240V outlet with a 50 amp outlet, please note that the charge rate needs to be switched to 100% otherwise, the vehicle will not charge at the rate you are expecting.



Note:

For charging to function under all conditions, make sure any open **Campaigns or Service Actions** that could affect charging have been performed (for example 57H3, 93G1, 93L9, 93N6 and 93H6).

How to change the charge rate?

Press button "1" for ~3 seconds, until the charge rate changes as desired (Figure 1).



Figure 1. Changing the charge rate.

Technical Background

Not Applicable.



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Production Solution

Not Applicable.

Service

Not Applicable.

Warranty

This TSB is informational only and not applicable to any Audi Warranty.

Additional Information

More information on this system can be found in the following resources:

- Home HV Charging Quick Start Guide (Attached to TSB in ELSA)

All part and service references provided in this TSB (2059257) are subject to change and/or removal. Always check with your Parts Department and/or ETKA for the latest information and parts bulletins. Please check the Repair Manual for fasteners, bolts, nuts, and screws that require replacement during the repair.

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