



READ ME

Inverter	Sunny Tripower Smart Energy STP5.0-3SE-40 / STP6.0-3SE-40 / STP8.0-3SE-40 / STP10.0-3SE-40
FW-Version	04.08.39.R
Release Date	August 2026
Guideline	Installation Procedure: 1. Firmware may be installed on the STPSE only if an approved battery is connected, in accordance with the document "Approved Batteries and Information on the Battery Communication Port." If no approved battery is connected, functional impairments or operational restrictions may occur under certain conditions. To ensure safe and reliable system operation, the firmware update must not be performed in this case. 2. Important: If the installed firmware version is lower than 3.06.18.R, it is mandatory to first perform update to version 3.06.18.R. 3. Next, verify that the update to version 3.06.18.R has completed fully and successfully. To do this, open the Events section in the STPSE WebUI and check that the entries "Update communication" and "Update Main CPU" have both concluded with the message "Update completed." 4. You can then start the update to version 4.08.39.R. Again, verify that the update has been carried out fully. To do this, open the Events section in the STPSE WebUI and check that the entries "Update Communication" and "Update Main CPU" have both concluded with the message "Update completed." 5. If the battery is not detected as expected, please switch off both the battery and the STPSE completely (DC + AC). Then, switch on the battery first, followed by the STPSE (DC + AC).
Update feature/reason	Bugfixes / Improvements • Includes various stability improvements and fixes for known issues to ensure reliable system performance. • Fix for frozen measurement values in WebUI and Portal: Resolved an issue that could cause measurement values to appear constant or frozen in various user interfaces, including <i>Energy Balance</i> and <i>Analysis Pro</i>. • Improving update behavior to increase update speed and more robust update processes. Battery Compatibilities and Updates: • Compatible with BYD Battery-Box HVS+, HVM+ and HVB. For operation with these batteries, a battery firmware version of 1.36.0 must be installed on the battery. • The Firmware Update version 1.01.59.R for SMA Home Storage is included in the package. For details and information about the battery update



	01.01.59.R please check the ReadMe file for the version 01.01.59.R on the product page of the SMA Home Storage.
Update medium	STP5.0_10.0-3SE-40-V4.08.39.R.up2 file update via integrated webserver
Update manual	1. Activate the user interface of the inverter. 2. Log in as Installer. 3. Select menu Device Configuration. 4. In line Inverter click on the gear icon and select Update firmware. 5. Select the update package made available for the inverter and select Update firmware. 6. Follow the instructions in the dialog. 7. After completion of the update, it is strongly recommended to check the inverter settings, especially the grid code settings
Please note	• The package includes an update file (*.up2). The file can be downloaded directly to the inverter via Webserver interface using a smartphone, notebook or PC. • The update file contains all features of former firmware versions.
File Name	FW4-08-39-R_STP5_10-3SE-40.zip