

READ ME

Inverter	SB1.5-1VL-40 / SB2.0-1VL-40 / SB2.5-1VL-40
FW-Version	3.10.05.R
Release Date	02/2020
Update feature/reason	<p>Changes:</p> <p>The new firmware 3.10.05.R is an update with new grid standards (country settings). An update from former version 3.00.06.R is only mandatory, if one of the following grid standards is required by your electrical utility.</p> <p>New country settings:</p> <p>Austria: [AT] TOR Erzeuger Typ A V1.0:2019</p> <p>Italy: [IT] CEIO-21:2019 Sistemi ≤11,08 kW SPI interno [IT] CEIO-21:2019 Sistemi >11,08 kW SPI esterno</p> <p>Belgium: [BE] C10/11:2019 LV productie- eenheid int. automat. scheidingssysteem [BE] C10/11:2019 LV productie- eenheid met ext. ontkoppelingsrelais</p> <p>Features:</p> <ul style="list-style-type: none"> - Shorten Italian self-test
Update medium	<ul style="list-style-type: none"> • SB1.5_2.5-1VL-40-V3.10.05.R.up2 file • Web Interface of the inverter • Sunny Explorer (as from version 1.07.29.R)
File-Name	FW3_10_05_R_SBxx-1VL-40.zip
Update manual	<p>Web Interface of the inverter: https://files.sma.de/dl/26198/SBxx-1VL-40-BE-en-15.pdf</p> <p>Procedure:</p> <ol style="list-style-type: none"> 1. Open the user interface (see Section 8.1, page 48). 2. Log into the user interface as an Installer (see Section 8.2, page 52). 3. Select the menu Device Configuration. 4. In the inverter row, click on the gear icon and select Update firmware. 5. Select [Browse] and select the update file for the inverter. 6. Select Update firmware. 7. Follow the instructions in the dialog.

	<p>Sunny Explorer:</p> <p>Please go to the SMA download area and do as follows: https://www.sma.de/service/downloads.html Search for “Explorer-BA” and select your preferred language.</p>
Important Notes	<p>The update process via Web UI takes around 20 minutes. Please ignore upcoming message about failed update processes, or lost connection during the update process. We recommend closing the browser for 20 minutes. After 20 minutes, it is possible to login via the known log in window. After login, it is possible to change the grid code, as you know from former version. For the new grid codes(see above):</p> <ul style="list-style-type: none"> • Follow the steps “Update manual” • Change the grid code • Wait until the inverter updated to the new grid code standard is completed (Events: Update main CPU) • Now, the remaining parameter settings can be done

Release notes of former FW-Releases

Inverter	SB1.5-1VL-40 / SB2.0-1VL-40 / SB2.5-1VL-40
FW-Version	3.00.06.R
Update feature/reason	<ul style="list-style-type: none"> List of country settings are sorted by region New grid codes <p>With the new firmware release 3.00.06.R the SB1.5-1VL-40 to SB2.5-1VL-40 comply to the European regulation (EU) 2016/631 ("RfG", Requirements for Generators"). Following new grid codes are implemented:</p> <ul style="list-style-type: none"> [BE] C10/11-LV1:2018 LV ≤ 10kVA [BE] C10/11-LV1:2018 LV > 10kVA [DE] VDE-AR-N4105:2018 Erzeuger > 4,6 kVA [DE] VDE-AR-N4105:2018 Erzeuger ≤ 4,6 kVA [EU] EN50549-1:2018 LV [GB] ENA-EREC-G98/1:2018 [GB] ENA-EREC-G99/1:2018 SMA Default 2019 50 Hz With integrated "Smart Inverter Screen" Webconnect 1.5 Enhanced password restrictions for higher security. Information will be displayed in the Web UI Bugfix for PV and grid-supplied power monitoring
Update medium	SB1.5_2.5-1VL-40-V3.00.06.R.up2 file, update via integrated webserver
File Name	SB-1VL-40_V3-00-06-R.zip
Update manual	<ol style="list-style-type: none"> 1. Activate the user interface of the inverter & Log in as Installer. 2. Select the menu Device Configuration. 3. In line Inverter click on the gear icon and select Update firmware. 4. Select the update package and confirm by Update firmware. 5. Follow the instructions in the dialog.

Note	<ul style="list-style-type: none"> • The package includes an update file. The file can be upload directly to the inverter via Webserver interface by using a smartphone or notebook. • The update file contains all features of former firmware versions. <p>For the new grid codes(see above):</p> <ol style="list-style-type: none"> 1. Follow the steps "Update manual" 2. Change the grid code 3. Wait until the inverter updated to the new grid code standard is completed (Events: Update main CPU) 4. Now, the remaining parameter settings can be done
-------------	---