

READ ME

Inverter	SBS3.7-10 / SBS5.0-10 / SBS6.0-10
FW-Version	PACK 3.00.30.R
Update feature/reason	<ul style="list-style-type: none"> • This update package is only for devices with package 1.50.19.R ! • An additional special procedure is required for this update! Please follow the "Update Manual" below • The update file contains all features of former firmware versions • List of country settings are sorted by region • With the new firmware release 3.00.30.R the SBS3.7-10 to SBS6.0-10 comply to the European regulation (EU) 2016/631 ("RfG", Requirements for Generators"). Following new grid codes are implemented: <ul style="list-style-type: none"> ▪ [BE] C10/11-LV1:2018 LV \leq 10kVA ▪ [BE] C10/11-LV1:2018 LV $>$ 10kVA ▪ [DE] VDE-AR-N4105:2018 Erzeuger $>$ 4,6 kVA ▪ [DE] VDE-AR-N4105:2018 Erzeuger \leq 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 • Grid Guard 10.0 (for RfG Setting) "Grid Guard 10.0" is a new solution to realize the grid management and control functions of the inverter. It contains new parameters and enhanced methods to realize e.g. Q(U), P(f) cos Phi(P) functions. SMA will use this new solution to realize future grid standards beginning with the European RfG standards. You will find a detailed description of the Grid Guard 10.0 at www.sma.de. Please search for: NSM-GG10-TI-en-10.pdf • Improved DC control to avoid DC overcurrent with BYD batteries • Bugfix for "SMA Flexible Storage System" (forecast-based charging) • Bugfix to avoid event 3902 "Generator voltage too low" • Bugfix for improved SPS operation • Bugfix for the Ethernet switch driver • Bugfixing of communication between E-Meter and inverter with patch cable (ZeroConfig) • Enhanced password restrictions for higher security. Information will be displayed in the Web UI. • Use WPA2-PSK from first installation ("SMA12345" will not work anymore) • Several enhancements of firmware quality

Update medium	SBS3.7_6.0-10-V3.00.30.R.up2 file update via integrated webserver
File Name	FW3-00-30-R_SBS37-60-10.zip
Update manual	<ol style="list-style-type: none"> 1. Make sure that all system components used in the system are installed before commissioning. (Sunny Boy Storage, Battery and SMA Home Manager or SMA Energy Meter) 2. Make sure that the SMA Home Manager or the SMA Energy Meter measures a permanent consumption (100 ... 500 W), sends this to the Sunny Boy Storage (Tip: switch off PV inverter) and that the battery SoC is more than 10 %. 3. Switch on the battery. 4. Switch on the circuit breaker of the Sunny Boy Storage. 5. Activate the user interface of the inverter and log in as Installer. 6. Check whether the SMA Energy Meter receives consumption data. 7. Check the firmware version 1.50.19.R is installed on Sunny Boy Storage. If not, make an update from firmware 1.50.14.R to 1.50.19.R. 8. If this is a new installation, use the installation wizard to configure the Sunny Boy Storage. If using a new battery, which is supported from the latest firmware version, skip the step for battery configuration. 9. After successful commissioning, the battery system will start directly with the regulation of self-consumption optimization, i.e. compensate for the house consumption with medium power. 10. Select the menu Device Configuration. 11. In the line Inverter click on the gear icon and select Update firmware. 12. Select the update package and confirm by Update firmware. 13. Follow the instructions in the dialog. 14. During the update, the battery system is required to discharge the battery. Background: During the update, the complete file system and the bootloader in the Sunny Boy Storage are changed. This requires a permanent power supply of the DC inputs from the battery. Under these conditions, the update should be max. take 20 minutes. 15. After completion of the update, it is strongly recommended to check the inverter settings, especially the grid code settings.
Note	<ul style="list-style-type: none"> • 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. • The update via LAN is usually more reliable and faster. • For the battery LG CHEM RESU 10H, it is necessary to switch the DC

	<p>terminals A & B parallel for operation. See chapter 6.8.1.3 in the operating manual.</p> <ul style="list-style-type: none">▪ Activate the user interface of the inverter and log in as Installer.▪ Select the menu Device Parameter.▪ Select Battery – Operation – DC input configuration reset – Execute.
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