

The 3-phase Hybrid

SH5.0RT / SH6.0RT / SH8.0RT / SH10RT

Feature Update



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August.18th, 2022 Feature Update

Valid till:

August.18th, 2023

Firmware:

Installation package: *SAPPHIRE-H_B000.V000.P005-20220727* or above

Detail version: *SAPPHIRE-H_03011.01.17* & *SAPPHIRE-H_01011.01.19* or above

Updated log:

- ◆ Optimized battery current sampled by the inverter(compatible with battery V12 or above)

November.11th, 2022 Feature Update

Valid till:

November.11th, 2023

Firmware:

Installation package: *SAPPHIRE-H_B000.V000.P007-20220930* or above

Detail version: *SAPPHIRE-H_03011.01.18* & *SAPPHIRE-H_01011.01.21* or above

Updated log:

- ◆ ARM- Project requirements change:
 - a) add the function of access to charging piles;
 - b) add the Italian country code and updating the Italian national standard (Italian CEI 0-21:2019 technical requirements for connecting equipment to low voltage ($\leq 11.08\text{KW}$));
 - c) add the Italian self-test function;
 - d) add the Italian SPI function
- ◆ DSP- Project requirements change:
 - a) add charging pile related functions (green power, fast charging, preset, custom mode);
 - b) add Italian country code, optimize the standard-related issues in the test (reactive power, over-under frequency, Italian self-test, grid protection parameters);
 - c) add PV priority / battery priority logic (to solve the PV power is limited problem);
 - d) optimize the LG battery prohibit charging and discharging flag setting conditions;
 - e) optimize the allocation of battery power under PV and load overmatching
 - f) optimize the battery upload charging and discharging state according to the battery power judgment
 - g) optimize the battery charging and discharging mode judgment conditions, charging and discharging mutually exclusive
 - h) optimize the judgment of load power when off-grid and grid recovery (ensure the correct tide diagram)
 - i) optimize the battery power display when off-grid emergency charging