Manufacturer's Declaration

Zero Feed-in Mode (Zero Export) for SunPower Energy Storage System

SunPower hereby declares that the systems listed below are designed to operate in zero feed-in mode (zero export), when installed, configured and commissioned in accordance with the relevant installation manuals, technical documentation, applicable grid-code requirements and local regulations.

Product	Model
Single phase hybrid inverter	SP-ARSH-3.6/4.6/5/6/8/10kW
Three phase hybrid inverter	SP-SRTH-5/6/8/10/12/13kW

The SunPower Energy Storage System monitors the power flow at the point of connection with the public grid by means of compatible metering devices and/or current sensors. Based on the measured energy flow, the system automatically manages battery charging and discharging, and limits any surplus energy export, in order to prevent active power from being intentionally fed into the public distribution grid.

When the zero feed-in / zero export function is enabled, the system gives priority to self-consumption and battery charging. Any surplus PV energy is managed by the system control logic so that the net active power exported to the grid is maintained at limited range, within the technical response limits of the equipment and in accordance with the applicable standards. That is, under all operating conditions, both the transient and steady-state export power shall remain within the export limit curve defined in the figure below.

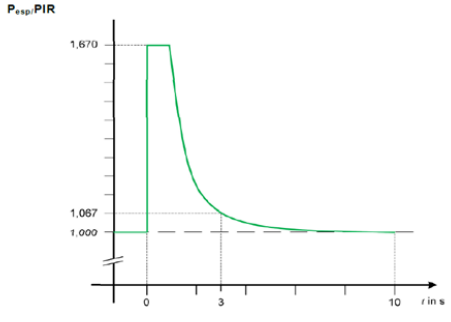


Figura 4- Curva limite di immissione

SunPower further declares that the operation of the SunPower Energy Storage System in zero feed-in / zero export mode does not require any modification to

the existing Interface Protection Relay settings, protection thresholds, tripping times or operating logic, provided that the system is installed downstream of the grid connection point and correctly configured by qualified personnel.

Therefore, the installation and operation of the SunPower Energy Storage System in zero feed-in / zero export mode does not constitute a variation to the Interface Protection Relay solely for the purpose of enabling zero-export operation.

This declaration is valid only if the system is installed by qualified personnel, using compatible metering and control devices, and commissioned according to the manufacturer's instructions and the requirements of the local Distribution System Operator.

Signed by:



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