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Milton Keynes, 20 November 2022

Subject - BU- C&I - UK G100 requirements not met by SMA STP 110-60/Core 2 Inverter

Update(*) to information released on 07/06/2022

Affected Product: STP 110-60/Core 2

Inverter Problem Description/Background

- G100 is the standard in the UK for Customer Export Limitation Schemes (ELS) that operates parallel with the distribution systems of licensed Distribution Network Operators (DNOs).
- G100 standard is applicable when the solar PV inverters' total AC power output (kW) exceeds the Agreed Export Capacity at the connection point agreed by the DNO.
- As per G100 standard, Export Limitation Scheme (ELS) must detect a deviation and reduce the export to the Agreed Export Capacity or less, within 5 seconds.
- SMA have noticed that the SMA STP 110-60/Core 2 (with closed-loop control with EDMM-10) takes longer than 5 seconds to ramp down the active power to the desired setpoint (0 kW).

Solutions

1. For Solar PV installations requiring G100 limitation, SMA recommends using Core 1 in combination with a SMA Data Manager M and a compatible meter instead of Core 2 inverters. In specific cases, Sunny Tripower X (pending certification) and Sunny Highpower PEAK3 may be used as well. Please refer to SMA UK Sales team
2. Distribution partners should inform customers placing orders for Core 2 inverters and ensure that the above message is delivered.

Note (*): Due to the specificities of the product platform, there will unfortunately not be any resolution of this issue.

SMA apologises for any inconvenience this may have caused,

On behalf of SMA Solar Technology AG,

Frenk Eillebrecht
Regional Manager SMA Western Europe

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