

Application Note- 5s Export Limitation via Multiple Smart Logger

Revision History

Version 1.0 March 31, 2022 – Initial release

Application Solution	Application Note- 5s Export Limitation via Multiple Smart Logger					
Solution Description	To avoid issues with the grid, PV system will be required to export no more than a scheduled power onto the grid. FusionSolar will provide a fast & safe way to do the export limitation.					
Region	Asia Region					
Solution Diagram						
Solution Configuration	<p>Communication Device: Smart Logger (SmartLogger V300R001C005PC607) or above (Apr 25th 2022 Available)</p> <p>Maximum Number of Smart Logger: 20 (FE<100m) ,15(Optical Fiber>100m)</p> <p>Smart Power Sensor: DTSU666-H 250A Third Party Smart Power Sensor List: Recommend: Acrel PZ96L Algodue UPM209 Janitza UMG604 /UMG103 CBM/UMG104</p>	<p>Commissioning Quick Guide:</p> <p>《SmartLogger3000 User Manual》</p> <p>For More details, please check with User Manual or contact your local support</p> <p>(Apr 15th. 2022 Available)</p>				
Notes	<ol style="list-style-type: none"> 1. This function is still in the preliminary period. Please fully understand the limitation and follow the Huawei Certificated Engineer Introduction before using it. 2. Master Smart Logger & Slave Smart Logger is required to be connected to the same internet router. 3. This function cant connect to the Internet and doesn't support the Smart Logger LUNA2000 ESS function 4. The maximum number of Smart Loggers is 20(FE<100m)/ 15(Optical Fiber>100m), including 1 master Smart Logger and 19 (FE<100m) /14(Optical Fiber>100m) Slave Smart Loggers. 5. If the distance between Master and Slave Smart Logger is larger than 100m, the connection method is required to use optical fiber. If the distance is lower than 100m, the connection method is required to use WLAN networking. 6. The response time of the export limitation function is determined by the Smart Power Sensor response time: <table border="1" data-bbox="304 2033 1449 2098"> <tr> <td>Acquisition Time of Smart Power Sensor</td> <td>Response Time of Export Limitation Function</td> </tr> <tr> <td><300ms</td> <td>5s</td> </tr> </table>		Acquisition Time of Smart Power Sensor	Response Time of Export Limitation Function	<300ms	5s
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