

# Application Note- Japan PV Optimizer Local Commissioning PV Optimizer Local Commissioning

## Revision History

Version 1.0 March 31, 2022 – Initial release

<b>Application Solution</b>	Application Note- Japan PV Optimizer Local Commissioning PV Optimizer Local Commissioning	
<b>Application Description</b>	The PV Optimizer Local Commissioning via Smart Logger is mainly designed to be used in the PV optimizer and Smart Logger networking scenarios, typical scenario is shown below: <ul style="list-style-type: none"> <li>Residential Solution:                         <ul style="list-style-type: none"> <li>@ Japan: Residential Single Inverter Scenarios (SUN2000-4.95kTL-JPL1 which can only be using Smart Logger for local commissioning)</li> </ul> </li> </ul>	
<b>Region</b>	Japan	
<b>Solution Diagram</b>	<p>The diagram illustrates a residential PV system configuration. On the left, two PV strings (光伏组串) are connected to two LUNA2000-1 and LUNA2000-2 optimizers. These optimizers are connected to a SUN2000 inverter. The inverter is connected to a main distribution board (主干) which includes a CTx2 transformer. The main distribution board is connected to a main distribution board (主分电盘). This main distribution board is further connected to a specific load distribution board (特定负荷分电盘), which supplies power to specific loads (特定负荷), including a washing machine (负荷) and other appliances.</p>	
<b>Solution Configuration</b>	<p><b>SmartLogger3000:</b>                  (SmartLogger V300R001C00SPC607) or above                  ( Apr 25<sup>th</sup>, 2022 Available)</p> <p><b>SmartPVMS:</b>                  (iMaster NetEco V600R022C00SPC120) or above                  ( Apr 25<sup>th</sup> 2022 Available)</p> <p><b>APP:</b>                  Fusionsolar 6.22.10.113 (SUN2000 6.22.10.113) or above                  ( Apr 30<sup>th</sup>, 2022 Available)</p>	<p><b>Commissioning Quick Guide:</b>                  《FusionSolar App Quick Guide》</p> <p>For More details, please check with User Manual or contact your local support                  ( Apr 30<sup>th</sup>, 2022 Available)</p>
<b>Notes</b>	<ol style="list-style-type: none"> <li>This function supports to do PV Optimizer Local Commissioning (Optimizer Pairing Setting&amp; Module Physical Layout Creating) through FusionSolar &amp; SUN2000APP via Smart Logger.</li> <li>It is recommended to use SmartPVMS WEB to do Optimizer Commissioning.</li> </ol>	