

## Application Note- Peak Shaving Control

Revision History

Version 1.0 July 15, 2022 – Initial release

<b>Application Solution</b>	Application Note- Peak Shaving Control	
<b>Application Description</b>	Typical scenarios is shown below: L1 single inverter + Luna2000 L1 single inverter + Dongle(FE) + Luna2000 Mo(C) single inverter + Dongle(FE)+ Luna2000 M1 single inverter + Dongle(FE) + Luna2000	
<b>Region</b>	Europe	
<b>Solution Diagram</b>		
<b>Solution Configuration</b>	<p><b>SmartPVMS:</b>                  (iMaster NetEco V600R023C00) or above                  (July 31th 2022 Available)</p> <p><b>APP:</b>                  Fusionsolar 6.23.00.121 or above                  (July 31th 2022 Available)</p> <p><b>FE Dongle:</b> SDongle V100R001C00SPC130(Available)</p> <p><b>L1 inverter :</b> SUN2000L V200R001C00SPC124(Available)</p> <p><b>Mo/Mainverter:</b> SUN2000MA V100R001C00SPC146(July 31th 2022 Available)</p> <p><b>LUNA2000:</b> FusionSolarDG V100R002C00SPC114(Available)</p> <p><b>Smart Power Sensor:</b>                  DTSU666-H 250A                  DTSU666-HW                  YAS60-80</p> <p>Third Party Smart Power Sensor List:                  Recommend: Acrel PZ96L                  Algodue UPM209                  Janitza UMG604 /UMG103 CBM/UMG104</p>	<p><b>Commissioning Quick Guide:</b>                  《SUN2000-(2KTL-6KTL)-L1 User Manual》                  《SUN2000-(3KTL-10KTL)-M1 User Manual》</p> <p>For More details, please check with User Manual or contact your local support                  (July 31th 2022 Available)</p>
<b>Notes</b>	<ol style="list-style-type: none"> <li>1、 This function only support FE Dongle, cannot support 4G Dongle;</li> <li>2、 The required Smart Power Sensor must be used to meet the 2S peak power adjustment;</li> <li>3、 When energy storage working mode is Fully fed to grid, Peak Shaving function cannot use. When energy storage working mode is Fully fed to grid, the Peak Shaving function interface hidden. If you need turn on the full on-grid mode, you need shut Peak Shaving function down first, then set the energy storage working mode as Fully fed to grid.</li> <li>4、 When the user modifies the maximum peak power, it takes 1.5 minutes to achieve the control requirements of the grid connection point;</li> <li>5、 Only support local commissioning (login with owner account) and fusionsolar smart PV management system, remote Monitoring mode will deliver in 930.</li> </ol>	