

Design Tools

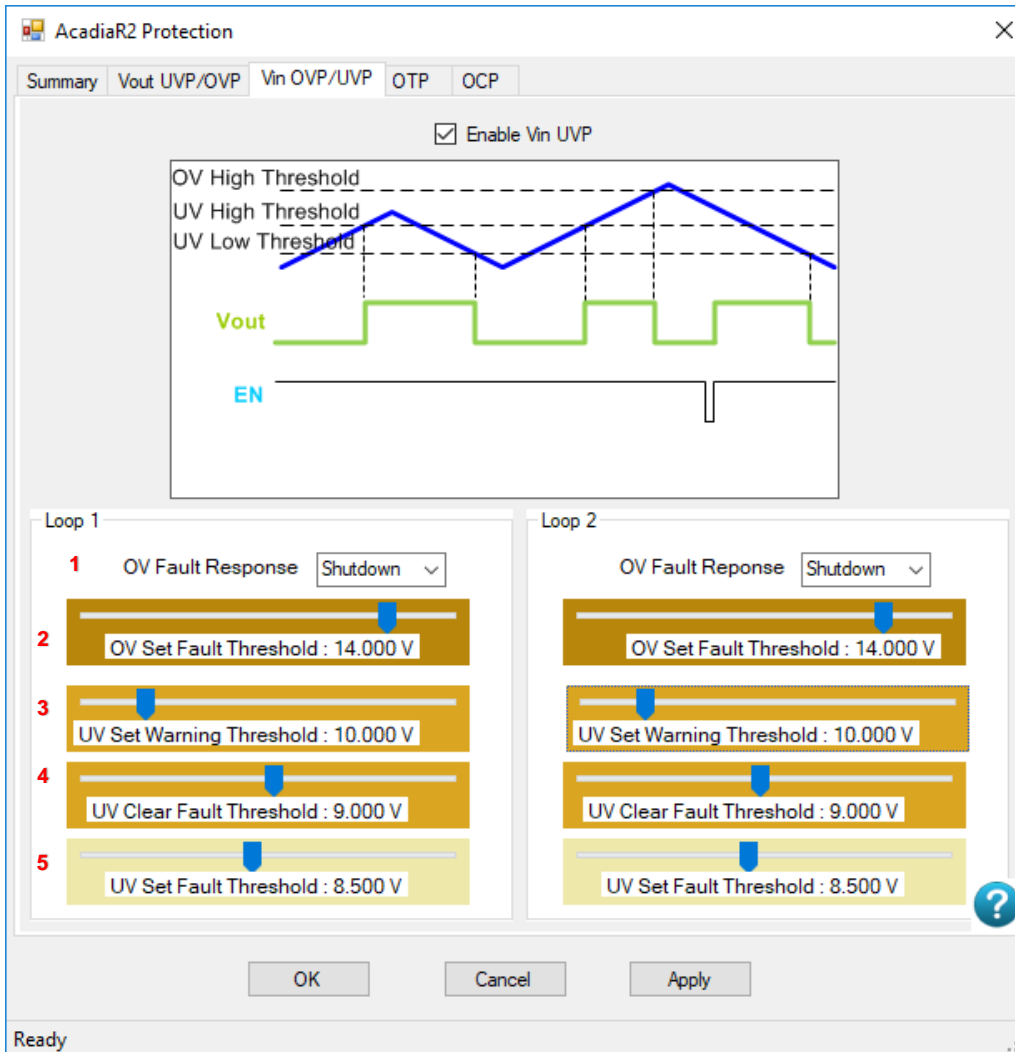
Faults & Protection



5. Faults & Protection

Level and Behavior of OTP, OCP, OVP, UVP and UVLO

Use this tool to set Vout UVP/OVP, Vin OVP/UVP, OTP, OCP, and Vaux UV faults threshold. Remember to press and **Apply** and **Ok** to program the settings.



AcadiaR2 Protection

Summary Vout UVP/OVP Vin OVP/UVP OTP OCP

☒ Enable Vin UVP

OV High Threshold
UV High Threshold
UV Low Threshold

Vout
EN

Loop 1

1 OV Fault Response Shutdown

2 OV Set Fault Threshold : 14.000 V

3 UV Set Warning Threshold : 10.000 V

4 UV Clear Fault Threshold : 9.000 V

5 UV Set Fault Threshold : 8.500 V

Loop 2

OV Fault Reponse Shutdown

OV Set Fault Threshold : 14.000 V

UV Set Warning Threshold : 10.000 V

UV Clear Fault Threshold : 9.000 V

UV Set Fault Threshold : 8.500 V

OK Cancel Apply

Ready

The **Vin OVP/UVP** allow users to enable or disable OVP/UVP monitoring and control:

1. Loop 1/Loop 2 OV Fault Response
2. Loop 1/Loop 2 OV Set Threshold
3. Loop 1/Loop 2 UV Warning Set Threshold
4. Loop 1/Loop 2 UV Clear Threshold
5. Loop 1/Loop 2 UV Set Threshold

The fault is triggered whenever the input voltage falls below the **UV Low Threshold** or rise above the **OV High Threshold**. When a Vin OV high fault is triggered the controller needs to be **re-enabled** to regulate again