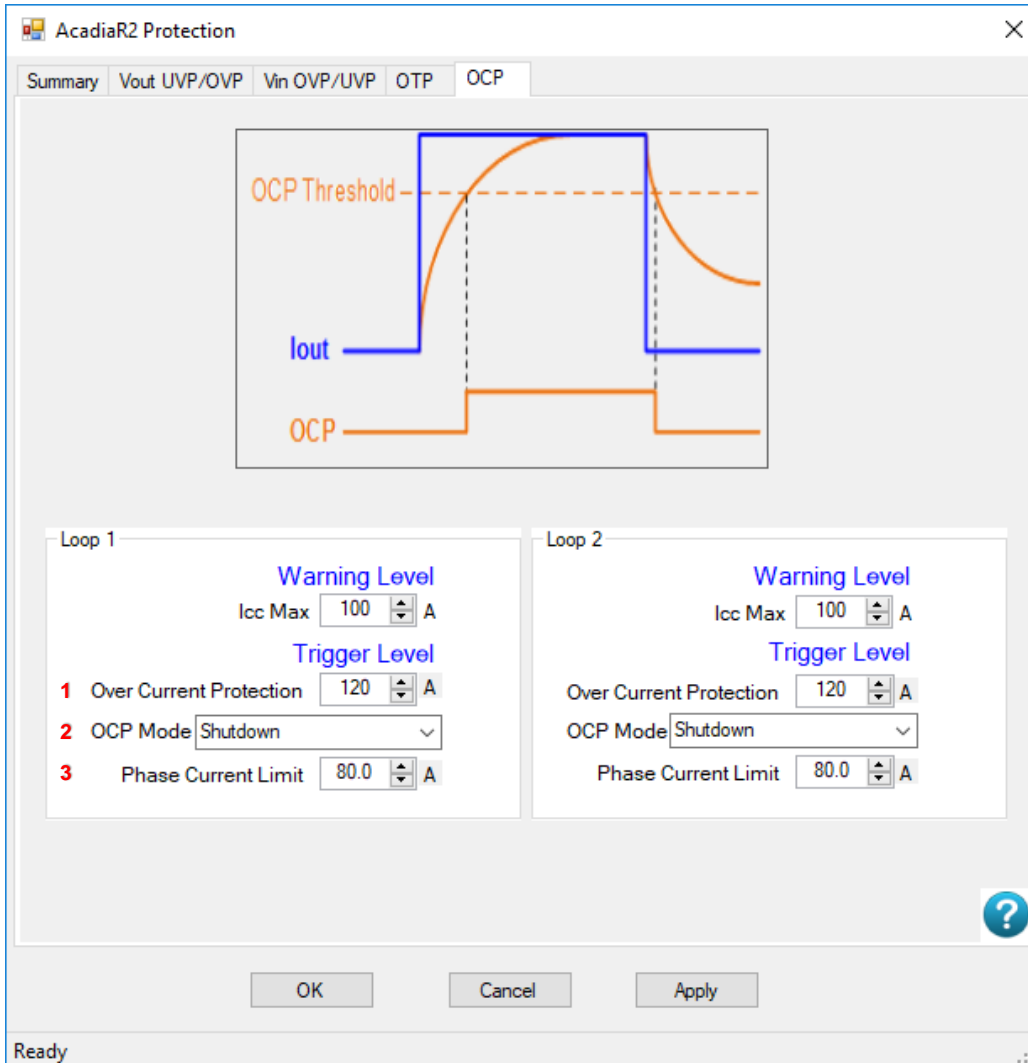# Design Tools
Faults & Protection

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.

OCP tab allows the user to set the

1. OCP threshold level for each loop
2. The OCP response (shutdown, hiccup forever, or 6 hiccups, then shutdown)
3. Phase current limit

*Note: The digital OCP sense filter has a response curve similar to an RC charging curve that will cause a delay in the OCP fault trigger. Depending on the filter BW this delay time can be adjusted.