

Design Tools

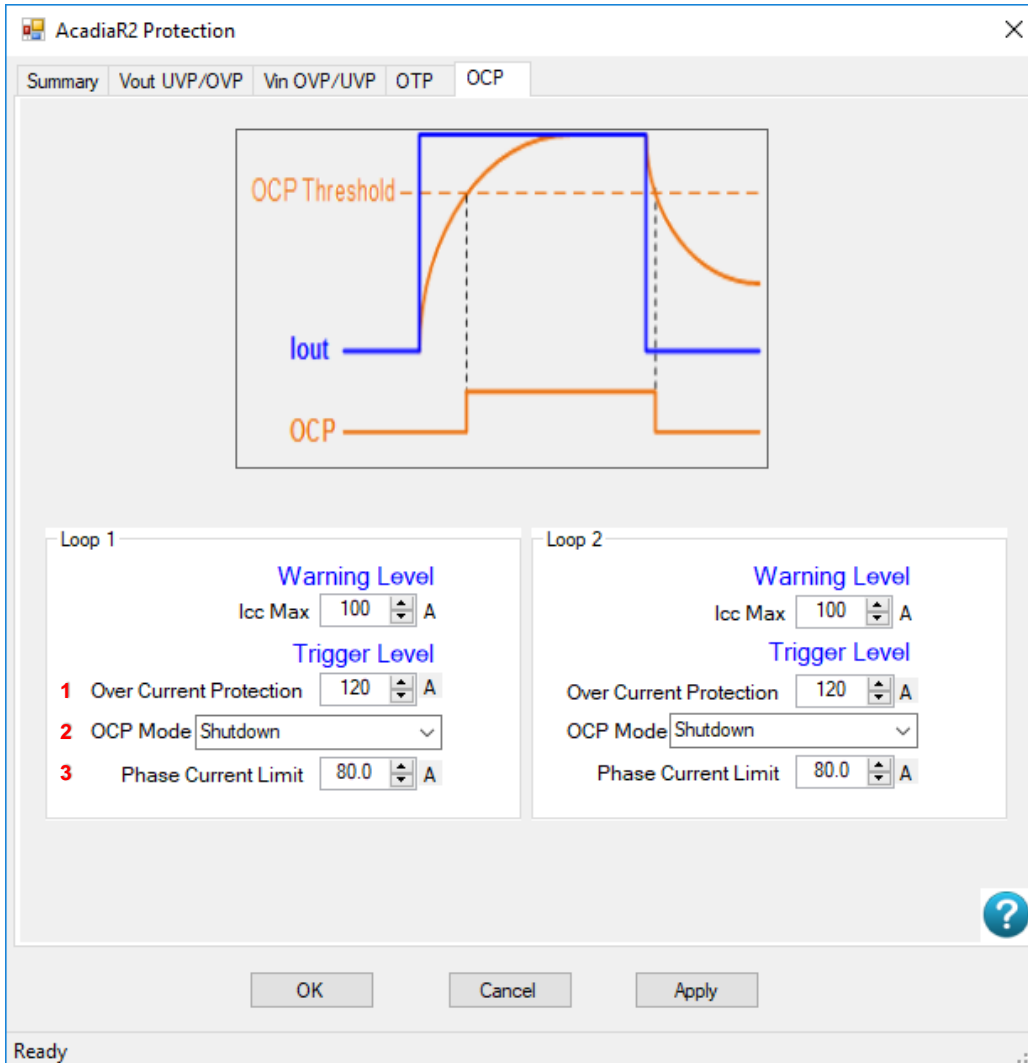
Faults & Protection



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

OCP Threshold

Iout

OCP

Loop 1

Warning Level

Icc Max 100 A

Trigger Level

1 Over Current Protection 120 A

2 OCP Mode Shutdown

3 Phase Current Limit 80.0 A

Loop 2

Warning Level

Icc Max 100 A

Trigger Level

Over Current Protection 120 A

OCP Mode Shutdown

Phase Current Limit 80.0 A

OK Cancel Apply

Ready

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.