Google: 5kW PSU Proposal for ORv3

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Proposals to Open Rack V3 spec

- **Output Voltage**: adjustable from 42V to 58V with default at 54.5V
  - Consistent with Open Rack V2 spec
  - Better support for rectifier power to battery power transitions
  - Fixed ratio converters to support VR loads and regulated converter to support PCIE loads

- **Communication Protocol**: CAN
  - Consistent with Open Rack V2 spec
  - Better noise immunity
  - More resilient operations (less prone to single point failure)

- **Power Level**: flexible from 3kW to 5kW
  - Flexible power level to support different applications: storage, server, and AI.

- **Form Factor**: 40mm x 68mm x Length
  - 68mm to support use cases in 19” racks
  - Fixed width and height while flexible length to scale with power level

- **Hold-Up Time**: 10ms
  - Bulk capacitance reduction
  - Better thermal design

- **Power shelf**: connector to support higher current