



IEE802.3 4P Task Force
Type 4 Power capability is Over 4P.
0.5*Type 4 power is missing from the specification.
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Objectives

- To make sure that we can support **half of 90-100W** power over 2P i.e. half of Type 4 power over 2P.
- Allows optimized solution over 2P for loads up to 0.5*Type 4 power.
 - No P2P lumb issues.
 - Can be supported by 2P solutions with 802.3bt enhancements/features.
 - Low cost PDs
 - Cost effective PSEs (2P and 4P) architectures
- **Background**
 - We have
 - 13W over 2P (Type 1)
 - 25.5W over 2P (Type 2)
 - 49-51W over 4P (2xType 2 power)
 - Half of 49-51W over 2P (Type 2 power ..☺)
 - 90-100W over 4P.
 - And we need also half of 90-100W over 2P.
- Having all the list above is a complete set of solutions.

Can we support **half Type 4** power over 2P?

- Obviously Yes.
 - By definition if Type 4 power can be supported by 4P.
 - Half of it can be supported by 2P...
- Advantages
 - Lowest cost solution for 30-50W range PSE –PD systems
 - Cost effective PSEs (2P and 4P) architectures
 - Simpler PD design
 - No P2P/Unb issues
 - Works of the same cables that Type 3 and 4 will work

Summary

- To make sure that (Type 4)/2 power will be supported by the specifications over 2P as well.

Thank You