

PD Load Turn on

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Problem Statement

- PDs in the field turn on their Load during Inrush
- This leads to PD cap not charging up fully (even if $C < 180\mu\text{f}$ and PSE is following inrush rules from 33.2.7.5)
- This may lead to operational problems after inrush

Suggestion

- Add the following note to Section 33.3.7.3

NOTE: “PDs should not turn on the load before $T_{inrush-2P_max}$ as per Table 33-11 is over. This delay is required to allow the completion of PD inrush currents, while the PSE maximum current sourced is following the limits defined in section 33.2.7.5”

THANK YOU