## Docket Optical System - Question on CEC NOPA 11-AAER-2 (battery chargers)

From: "Ken Padera" < kpadera@delta-corp.com>

**To:** <hsingh@energy.state.ca.us> **Date:** 10/17/2011 11:13 AM

Subject: Question on CEC NOPA 11-AAER-2 (battery chargers)

**DOCKET** 

11-AAER-2

DATE Oct. 17 2011

RECD. Oct. 21 2011

Hi Harinder,

I had a question about NOPA Docket Number 11-AAER-2, for battery charger efficiency.

- 1. Would this apply to UPS? Most of the specification focuses on battery chargers, but on page 12 there is a section on "Battery Backup and Uninterruptible Power Systems". However, there is no defined requirements specifically for the UPS.
- 2. If the answer to #1 is yes, then how would you calculate the efficiency limit for a UPS? As mentioned the UPS does not have ports, and I am not sure how the standards on page 7 would apply.

Thanks,

Sincerely,

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