Subject: Re: Draft 3 Version 6 0 Specification for Computers
Attachments: VPFinalBCEPS_NOPR_Notice_2012-03-07 Notice Only CLN-DOE.PDF.PDF; EPS 2 0 Final Specification_Apr08.pdf

Dear Sir:

This is CM.CHEN from Delta Electronics., Inc. Taiwan, I've some comments as per Draft 3 Version 6 0 Specification for Computers, section 3.2.3 for External Power Supplies (EPS) with Multi-output:

• Multi-output EPS shall meet the level V requirements when tested using the EPRI Generalized Internal Power Supply Efficiency Test Protocol, Rev. 6.4.2.

The most of EPS with 19V-main plus 5V-USB are struggling in meeting E-star EPS 2 0 Final Specification_Apr08 for single output EPS as below:

Table 1: Energy-Efficiency Criteria for Ac-Ac and Ac-Dc External Power Supplies in Active Mode: Standard Models Nameplate Output Power (P_{no})	Minimum Average Efficiency in Active Mode (expressed as a decimal) [2]
0 to ≤ 1 watt	≥ 0.480 * P_{no} + 0.140
> 1 to ≤ 49 watts	≥ [0.0626 * Ln (P_{no})] + 0.622
> 49 watts	≥ 0.870

Will you consider a separate formula for multiple EPS like DOE as attached and below, and put it into V6 0 Specification for Computers?

Nameplate Output Power (P_{out})	Minimum Average Efficiency in Active Mode (expressed as a decimal)
0 to ≤ 1 watt	≥ 0.497 * P_{no} + 0.067
> 1 to ≤ 49 watts	≥ [0.075 * Ln (P_{no})] + 0.561
> 49 watts	≥ 0.860

Best Reds
cm.chen