

MEETING NEW CALIFORNIA ENERGY STANDARDS



As of January 1, 2007, manufacturers' products must meet power efficiency regulations for external power supplies set forth by the California Energy Commission (CEC). There could be large fines for non-compliance, along with the risk of having to recall or replace products in California.

What are the CEC Standards?

The new standards apply to single-voltage external AC-to-DC and AC-to-AC power supplies used to power electronic products such as appliances, MP3 players, personal digital assistants (PDAs), camcorders, digital cameras, laptops and wireless and cordless phones. The requirements specified in the chart below address minimum efficiency and maximum standby power levels. Projected energy savings from the new standards over the next 10 years will replace the need for constructing three large power plants.

CEC Standards for Power Supplies Effective - January 1, 2007

MARK	DESCRIPTION	PERFORMANCE REQUIREMENTS			
		Nameplate Power Output (Pno)	No-Load Power	Nameplate Power Output (Pno)	Average Active Efficiency
I	Used if none of the other criteria are met				
III	California: CEC Tier 1 standard January 1, 2007 (mandatory) - Laptop computers, mobile phones, printers, print servers, scanners, PDA, digital cameras July 1st, 2007 - Wireline telephones and all other applications	0 to < 10 watts 10 to 250 watts	<=0.5W <=0.75W	0 to 1 watt >1 to 49 watts >49 to 250 watts	>=0.49 x Pno >=0.09 x Ln(Pno)+0.49 >=0.84
IV	California: CEC Tier 2 standard July 1, 2008 (mandatory)	0 to < 10 watts 10 to 250 watts	<=0.5W <=0.5W	0 to 1 watt >1 to 51 watts >51 to 250 watts	>=0.5 x Pno >=0.09 x Ln(Pno)+0.5 >=0.85

Where Pno is the nameplate Output Power of the unit under test. Ln refers to the natural logarithm.

What if you don't comply?

Effective January 1, 2007, if your products do not contain CEC-compliant power supplies, your products will not be available for sale in California.

MEETING NEW WORLDWIDE ENERGY STANDARDS

Although ENERGY STAR® is not a mandatory standard, many countries are adopting ENERGY STAR guidelines as their mandatory requirement. Designated the first ENERGY STAR power supply partner, Pihong is committed to meeting all mandatory energy requirements and serves as a member on several global standards committees. Pihong supports and complies with Australian Greenhouse Office (AGO), Blue Angel (Germany), CECP (China), ENERGY STAR International, EU Energy Using Products (Europe), KEMCO (Korea) and EU Code of Conduct. For more information on global regulations, visit www.pihong.com/green.

What do you need to do to comply?

Specify Pihong. Pihong has the broadest selection of CEC-compliant wall-plug and desktop adapters. In fact, Pihong has been delivering products that meet CEC standards since 2004.

Take the guesswork out of meeting the new CEC and other global regulations. With Pihong's compliant external power adapters, your products and inventory will be ready in time for the January 1, 2007 deadline. Choose from the products on the following pages and order your CEC-compliant power products online at www.pihong.com.