

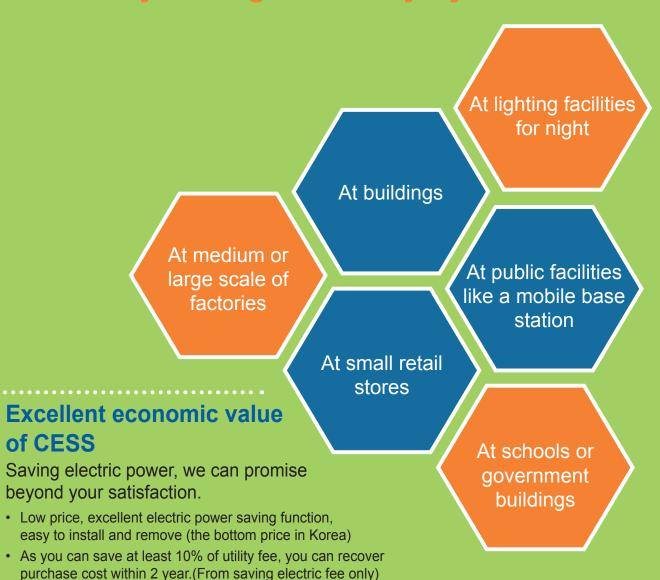
New World of Electric Power Saving, CESS will make it.

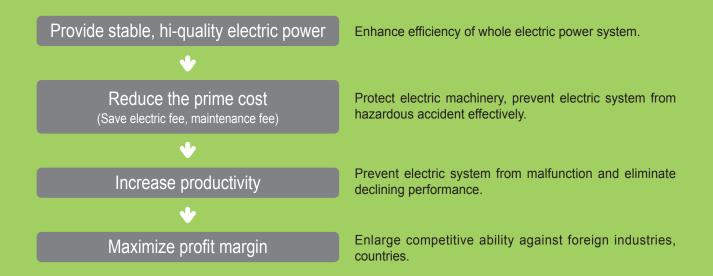




You can save money for utility fee safely without damage of voltage drop down by using CESS which has improved electric power efficiency invented by new idea & technique!

Electricity saving efficiency by 6~15%





· Through various financial support, we will help you to minimize

CESS installation cost and lighten your burden.

Installed CESS Photo

It is essential to install CESS wherever they use electric power.

Government buildings, Industries, Buildings, Wedding Halls, Hospitals, Markets, Hotels, Super scale grocery stores, Schools, Golf clubs, Sports complexes, Churches,...etc.

○○ paper company







○ ○ company







oooo hotel







oo university





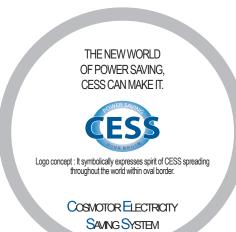


By customer's request, restricted to show customer's full name. We, however, can provide detailed information and show you installation cases if you want to install CESS.

1 _ Introduction of Company







Company motto

'Become the person who makes success oneself and company'

First, become person who loves jobs.

Second, become person who is reliable.

Third, become person who has a dream.

NTRODUCTION COSMOTOR

• Business significance

- raise competitiveness by retrenchment of energy
- Contribute to the improved world environment by reducing fossil energy use

The objectives

- Having technical skills to be best power-saving BRAND.
- Securing profitability by developing various Profit Business Model.
- Dominating the market in advance with active marketing training.

The status of business

- Rapid growth of relevant market in relation to ENERGY SAVING owing to the aftermath of global economic crisis
- Fully realization of the necessity of cost reduction by rivalry seriousness between corporations

Management philosophies

- Love people: Enterprise shall focus on people oriented management based on human dignity.
- Love environment: Enterprise shall try to improve and preserve environment passed down in future ages.
- Love country: Enterprise shall make effort for increasing national interest by sincerely paying taxes and clear management.

Vision & Mission

- Happy social implementation well being all us with the settlement of the alternative energy's culture.
- Actively come up to the energy saving policy of the government and contribution to the competitiveness reconsideration of the corporation and lead the global environmental protection.
- To embody the best service and commodities differentiated to competitive companies, it invests in sustained research and development.
- It contributes to the poor and alienated neighbors' welfare through the foundation establishment and profit revert to society through the steady corporation's management.

2 Greeting from C.E.O



66 Company which shares our brilliant future in the public confidence



First of all, we would like to thank you for your lavis encouragement and cheer to us, the COSMOTOR.

We set our very first step in 1966 aiming for development and provision of the state-of-the-art electrical power saving system under the slogan of 'Create New Energy Culture' in company with our the most talented staffs. We have been concentrated our energy onto the Research and Development for saving energy field, which is our long cherished desire, with liberal investment.

With our struggle, fruit-bearing efforts, CESS, COSMOTOR Electrical power Saving System. came out in the world first time. The CESS can provide good quality supply power through power efficiency improvement without voltage drop damage on the live-line practically to maximize saving its energy.

After we applied CESS for International Patent, our new technology was gradually known to electrical engineers and embossed our CESS as a matter of great interest among them. Also the CESS was approved as new saving energy technology through lots strict certified tests and analysis. Pass through those process, this CESS was also recognized as new idea technology by electrical experts, we have a rush of orders from around the world. We, however, are cautious not to be self-satisfied and focus our efforts in order to develop another epochal technology with lasting, sound investment. Additionally, we will concentrate all of our energy and capabilities to contribute and enhance our competitive ability as well as our native land, Korea's competitive ability through effective saving energy.

We have a dream to realize everybody be happy with the COSMOTOR and hope to keep up our relationship with useful meeting from our precious the first greeting. Thank you very much!

C.E.O COSMOTOR Corporation

03_HISTORY

Research & Development Stage

- 1996. 04. Registered small business & established an Annex Technical Institute
- **1998.** 08. Developed harmful wave interceptor PC-MATE (No1, product from the Institute)
 - 12. Developed Electricity Saving System for home (CESS) (No2. product from the Institute)
 Developed Electricity Saving System for industries (CESS) (No3. product from the Institute)
- 1999. 06. Developed new technology for Hi-Voltage (3300v,6600v) application: World's 1st
- 2000. 02. Developed new technology how to produce 100000KW singular item: World's best

Business Stage

- 2002. O2. Changed business status from individual to corporate / Established own factory
 Released Electricity Saving System CESS for home/industries, and harmful wave interceptor PC-MATE
 - 08. Established COSMOTOR Corp. in Thailand (Capital Stock: US\$ 1.5M)
 Applied Korean Patent for COSMOTOR Electricity Saving System (CESS) (10-2002-0046730)
 Applied Registration of Design in Korea for COSMOTOR Electricity Saving System(CESS) (30-2002-0022599)
 Applied for CESS Grade Mark(40-2002-0035381)
 - 09. Started national chain stores and set up production line of 100,000kw model as of unit model in the same business field
 - 10. Contracted Agent for north America
 - Applied for design patent of CESS (0335321)
 - 11. Registered Utility New Model Patent for CESS (No.0296714) /
 Registered Trade Mark for CESS (No.0565812)
 Established branch of Vietnam, Philippines, China, Brazil and concluded export contract
- 2003. 01. Contracted exclusive supplying agreement for pc room with Getokorea and Daol Communication
 - 02. Produced CESS for pc room use and attended L.A electricity exhibition
 - 03. Received a Technology Certification from Thailand Electric Power Corp. and produced 1st new upgraded CESS product.
 - 04. Upgrade CESS using new tech
 - 05. Obtained certificate of Thailand power company
 - 06. Established south area business center and opened 50th chain stores
 - 08. Opened the 70th selling agency and produced 2nd new upgraded CESS product.
 - 10. Controled to install CESS with S., K., H. group's factories
 - 11. Participated saving energy case study & seminar sponsored by Korea Energy Management Corp.
- 2004. 05. Received a Technology Certification from Korea Testing Laboratory(KTL) and participated Korean Electrical
 - 06. Engineer Association Seminar
 - 09. Controled to install CESS in the KT powertel BTS
 - 10. Received a Technology Certification from China Electric Power & Science Research Institute(CNAL) and established 50000\$ worth of CESS in Japan factory.
- 2005. 02. Registered a public tender agent for Korea Public Procurement Service
 - 05. Opened a Certification of ISO 9001:2000
 - 07. Contracted a selling agency with China (Kyungan National Corp.)
 Opened up new markets in all the area of China
 - 08. Established a general branch for Beijing COSMOTOR, electric power saving company, in China
 - 12. Selected as a outstanding Corporate by the Korea Daily News
- **2006.** 01. Contracted an agency in Turkey
 - 04. Installed 500 units of CESS at the base station of KT POWERTEL
 - 05. Established Oversea Marketing Subsidiary (Glosel Corp.) & Sales Agent Corp.. in India.
 - 09. Developed Static Electricity Removal Device.
 - Business promotion by participating in KOTRA Exhibition
 (World Best Merchandise Exhibition) held in Mumbai,
 India which supported by Korean Industries and Renouncement Department.

- 2007. O1. Designated into Export Incubator by Korean Small Business Promotion Corp. Attended '2007 India Market Promotion Team' organized by Seoul Business Agency of Korea (SBA).
 - 02. Established Sales Agent Corp. at every Province of China. / Made an Agent Agreement in Mexico.
 - 04. Participated in Chinese Technology Association Exhibition in Beijing. / Made an Agent Agreement in Spain.
 - 07. Obtained European CE certificate.
 - 09. Obtained the certificate of Environmental Management System.
 - 10. Participated in Seminar held by Chinese Technology Association in Shanghai Obtained Quality Test certificate from Korean Small and Medium Business Administration (SMBA)
 - 11. Obtained Quality Mark (Q-Mark) of Korean Administration.
 - 12. Obtained ROHS certificate
- 2008. 04. Launched CESS business in Japan market
 - 08. Participated in Japan Exhibition.
 - 09. Made Agent Agreement in Sudan
 - 12. Obtained CESS function certificate from India Electricity Development Institute.
 Obtained Invention patent. / Obtained Surge Expressing certificate.
- **2009.** 06. exclusive agreement for Philippines
 - 10. exclusive agreement for Russia
 - 11. exclusive agreement for Malaysia & Singapore
- 2010. 06. Acquired CERTIFICATE OF TRADE BUSINESS NUMBER from Korea International Trade Association
 - 07. Contracted MOU in Iran & Poland
 - 09. Selected as the global buyer sourcing program by Small & medium Business Corporation
 - 11. Awarded as the Excellent company by Seoul Small & Medium Business Administration
 - 12. Contracted MOU in Russia, Ireland, Netherlands, Germany
- 2011. 03. Selected as Excellent service company of knowledge 2011 by The future knowledge management institute.
 - 06. Attend to PSECE 2011(Philippines Exhibit)
 - 07. Attend to Int'l energy saving technology conference(SENEX) hold by national climate change forum Acquired Mexican Certificate "NOM"
 - 08. Agent contracts are in place for Guangdong and Liaoning province area.
 - 09. Agent contracts are in place for Shanghai and Beijing area.
 - 11. Awarded the 8th Order of Industrial Service Merit by Competition Policy for the Electricity Industry of Korea.
- 2012. 01. Export contract to Kazakhstan, Belarus
 - 02. Attended to 2012 World Energy Saving Expo
 - 03. Export Contract to Haiti
 - 04. Established Korea Business Center in Mexico
 - 06. Awarded as intellectual "patent application" by Korean Intellectual Association
 - 08. Agent Contract to Chile
 - 11. Received Grand Prize of Knowledge managers held by Korean Intellectual Association
 - 12. Acquired GOST Certification from Russian Federation Standard Measuring Committee Received Grand Prize of Korean Talent Sharing held by Korean Intellectual Association
- 2013. 06. Sgining MOU with China Xian Telecom for BTS
 - 09. Selected as of "21st century Korean & figures grand prize" and "electric power saving in economic field" by Korea newspaper broadcasting jornalists association
 - 10. Serve as president of the board of examiners in "Korea Beauty Model Contest" held by Korea health & AMP(Beauty industry association)
 Serve as the panel of jury for Korea CEO Reading Grand Prize held by National Success Era
 - 11. Participated in International Energy Exhibition held by Yancheng city located in Jiangsu province of China
- 2014. 11. Participation in The Environmental Preservation Fair at Jiangsu (Yeom-seong Si) in China
 - 12. Chairman of KOREA SUCCESS GRAND AWARDZ Sponsored by The corporate Juridical Person, Citizen Success Times (National Age of Success)
- 2015. 05. MOU agreement with yancheng china in seoul joint explanatory meeting for economy and trade.
 - 07. Win the prize of major of seoul awarded korea Tarent Donation Association.
- **2016.** 01. Acquired CB certification of IECEE (IEC System for Conformity Testing & Certification of Electrical Equipment) through the Korea Testing Certification
- 2017. 03. Grand Prix of Talent Contribution" awarded by Korea Talent Share-Management Association
 - 05. Leader of the Month" chosen by Korea Specialized Journalists Association.
- 2018. 11. "Grand Prix for Innovative and Creative Business Management" awarded by Association of Korea Creative Entrepreneurs "Top Person of the Year Awards" by Korea Specialized Newspaper Association

12. Top New Intellectual of 2018 awarded by New Intellectual Association of Korea Best Industrial Brand (Electricity savings Device) at Korea Best Brand Awards 2018 hosted by Korea Economic Business Newspaper and

JOB & JOY and organized by Korea Marketing Forum



04 _ Efficiency Improvement

Efficiency and Efficiency Improvement

Efficiency is the ratio between the amount of input energy a machine needs to make it work, and the amount of output energy it produces.

If the output energy is bigger than the input energy, we can say Efficiency is improved.

Efficiency Improvement of Electric Power Area

Efficiency Improvement of Home / Small Business Hardware

Should purchase Hi-ratio of energy efficiency products or energy saving products or Widely use of improved energy efficient equipment like CESS.

Efficiency Improvement of Industries Hardware & Efficiently use of machinery and equipment

Check the electrical load each area correctly to try maintain & control well for quantity of supply & demand power energy and effectively operate on the machinery & planning.

The mechanism of Electric Power Efficiency

Conversion Efficiency

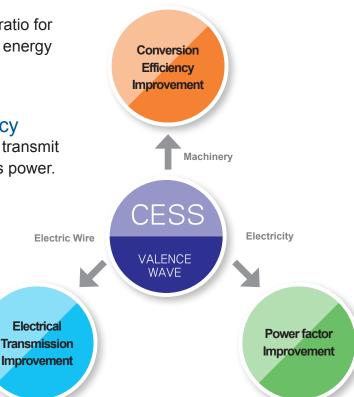
In electrical machinery, the converted ratio for light, heat, kinetic energy from electric energy without loss.

Electrical Transmission Efficiency

In Electrical Transmission system, the transmit ratio on electric power line without loss power.

Electric Power Factor

In electric power energy, the value of practically using energy without loss.(Max.=1)



Efficiency Improvement principle of CESS - (Saving power energy principle)

Nobody imitates our power saving technology of CESS

If the specific boundary energy from CESS emitted, Valence Wave, flow on the electric current, this wave can eliminate internal / external loss factors of electricity such as reactive electric power, leaking electric current, oxidizing effect, heat generation and can improve power factor, electrical transmission efficiency, conversion efficiency. As those results, you can save electric power energy, maintenance cost, and utility fee.

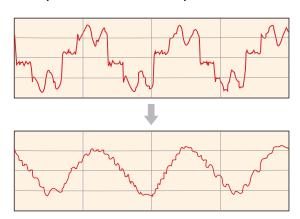
Physical function of Saving electric power

- Function of Efficiency Improvement

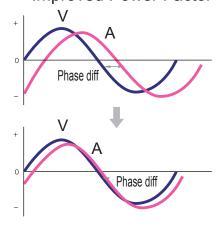
The Primary function

Wave length activation function - Offset distorted wave to improve wave shape Adjust phase angle to improve power factor

Improved Wave Shape



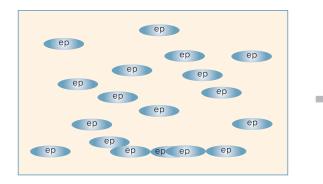


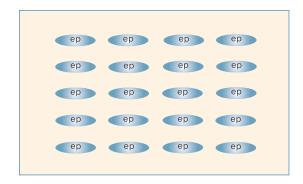


The Secondary function

Maintaining permanent wave length function

Change to unique, stable molecular structure Semi-permanent effect by restoration a half-life





06 _ Various Type of CESS and Characteristic

Need to save electric power energy wherever we can produce custom-built CESS Whatever you want.

The CESS is excellent electric power saving product which the only COSMOTOR can produce unlimitedly by our technology regardless of any circumstance: capacity (10~100,000 KW), voltage(110~6,600 V), phase / wiring method (single phase, three phases, any type of wiring..).







General home like a detached house, villa... CESS for Home (10kW)





Small Business, Offices, Small scale factories...

CESS for industries, General

(10kW~1,000kW)





Large scale of public facilities, industrial complex...

CESS for industries, case type (1,000kW~100,000kW)

We can produce custom-built CESS for hi-voltage (3,300 / 6,600 V) or hi-current (over 10,000 A)

7 _ Feature and Expected effect of the CESS

Anybody can make promises for power saving. But, No one imitates our reliable saving technology.

You can check power saving by power saving test before installation.

It is very reliable products for power saving effect by data measured with power analyzer in case of high capacity products.

1 It has unlimited performance.

It is outstanding product, which can be produced with capacity (10~100,000 KW) voltage (110~6,600 V), phase (single phase, three phase, three phase four ~ wire system) without any limit regardless of wiring method (Y wiring, delta wiring method).

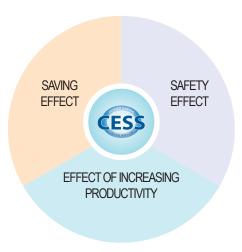
1 It is absolutely safe after installation.

It never affects to the other equipment and no damages of equipment because CESS does not generate high harmonic waves and noise and no voltage fluctuation. In addition, installation is simple due to parallel method and it is a safe product without any malfunction of electrical equipment and no risk of power failure.

It is rock bottom price among same level power saving systems.

Movement and installation are easy because it is light as $1/2 \sim 1/5$ less than general power saving system in weight, volume and price and purchase burden was eased because investment is recouped within 2 years.

EFFECT OF CESS



	CESSEFFECT	EFFECT CONTENT
-	Saving Effect	Save electric charge CESS saves electric charge because used power and reactive power are greatly decreased without voltage drop due to increased efficiency of the whole electric system.
	Safety Effect	Save maintenance cost CESS protects electric equipments and prevents occurring accident because of no variation in voltage and hertz, also prevents electric troubles such as power failure by safe parallel wiring type, which has no influence on the other equipments.
	Effect of Increasing Productivity	Maximizing corporate profits CESS increases productivity by preventing abnormal condition of electric equipments and facilities and removing performance deterioration, which increases competitive power between nations.

CONCRETE EFFECT

Electricity activation and damage compensation, Overvoltage and Returns, Protection of equipment and saving expenses, Productivity increase and strengthening of competitiveness, Reducing abnormal condition and extension of lifespan

08 _ Analysis Table for Saving Power Test Results

Perfect performance of CESS, proved as follows

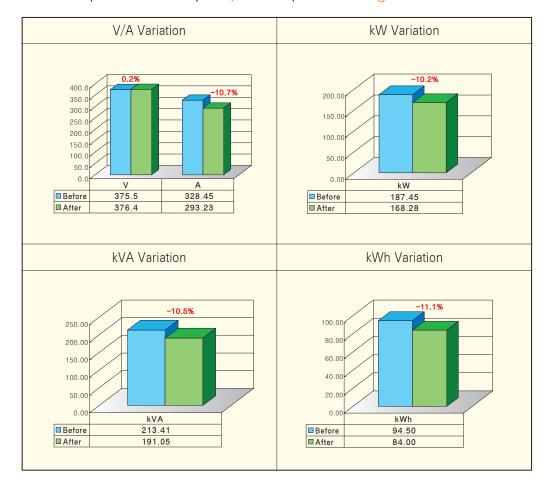
1. Test Result

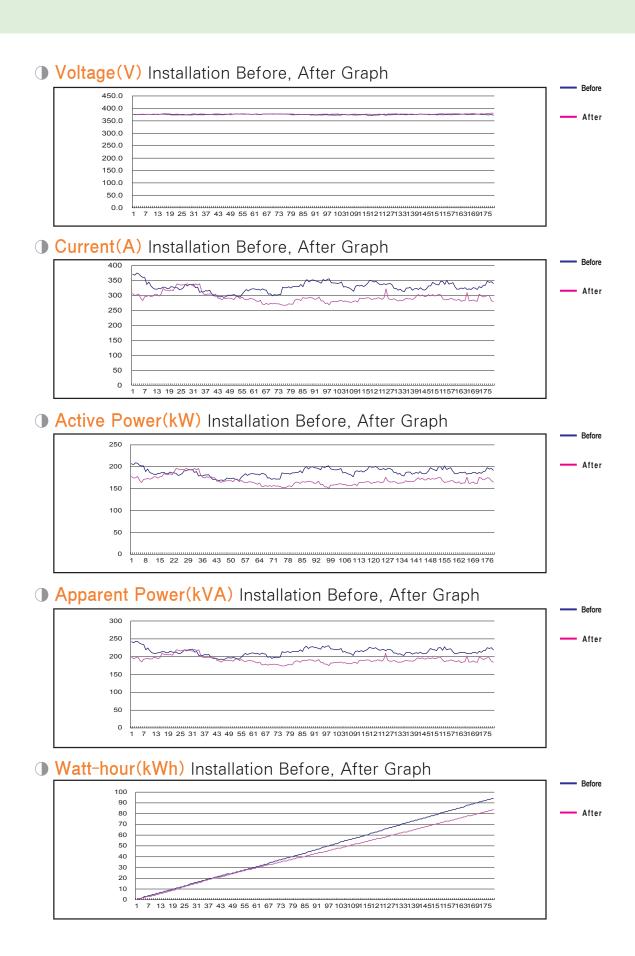
Items	Division	Voltage	Current	Active Power	Apparent Power	Watt-hour
ILEITIS		V	Α	kW	kVA	kWh
Total	Before	375.5	328.45	187.45	213.41	94.50
Total	After	376.4	293.23	168.28	191.05	84.00
Measuring Results	Variation Rate(%)	0.2%	-10.7%	-10.2%	-10.5%	-11.1%

2. EMS 9200 Watt-hour Results

	Date, Time	Measuring Time	Measuring Value (kWh)	Watt-hour
Before	12-09-12 10:41:50	179	0.0	-
belore	12-09-12 11:11:30	(29minute 40sec)	94.50	94.50
Affor	12-09-12 11:17:40	179	0.0	-
After	12-09-12 11:47:20	(29minute 40sec)	84.00	84.00
Variation Rate(%)				-11.1%

■ As reduce power consumption, electric power saving rate: 11.1%





9 _ How to install CESS

Use parallel wiring method, very easy to install.

How to install

STEP 01

Open power distribution box.

STEP 02

Confirm the position of main breaker switch.

STEP 03

Turn "OFF" the main breaker switch from "ON" position.

STEP 04

Confirm Neutral line(N) under the main breaker switch.

STEP 05

Check another 3 lines of electric power (R,S,T line)

STEP 06

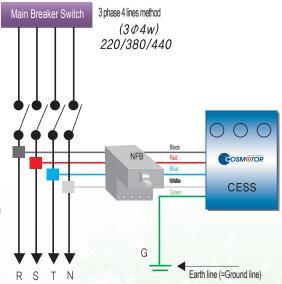
Check Neutral line(N) of CESS.

STEP 07

Connect 4 lines between CESS and the main breaker switch, start Neutral Line(N) first then, R, S, T, lines orderly.

STEP 08

Turn "ON" the main breaker switch from "OFF" position.



10_CERTIFICATION

CESS has passed strict electric power saving test by several certificate authorities and was recognized officially its excellent quality and technology.



INVENTION PATENT No. 10-0876163



Registered CESS for Registratiobn Of Design KIPO Reg. No.0335321



Registered CESS for Trade Mark KIPO Reg. No.0565812



Technology Certification: Korea Testing Laboratory (KTL): 04-326-032



EMI Test Certificate by Korea Testing Certification



China CNAL NO.L0780 China Electric Power & Science Research Institute



China CNAL NO.L1592 China Electric Power & Science Research Institute



Product Reparation Liability Insurance Samsung Fire Ins.



International Certification Registrar Certificate ISO 9001:2008



IECEE CB TEST CERTIFICATE



European CE Certificate K1704/L07, K1705/E07



Function Test Certificate by SMBA



ROHS Certificate



Certificate of Quality Assurance[Q-MARK]



Russia Certificate "GOST"



Environment Management System Certificate ISO 14001 : 2004



TIC Test Certificate by Incheon University



Surge Expressing Certificate



Function Test Certificate by India



Mexican Certificate "NOM"

Is there any GOOD idea to SAVE utility FEE safely without voltage drop damage?

CESS! YES, WE CAN DO IT!!







