

POWER SAVING SYSTEM

[*FORCE*]



enposs Co., Ltd.



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Company History

ENPOSS Inc. was started in year of 2005 with the express intent to bring cost effective energy saving technology into our ENPOSS system and sold various size of system to worldwide market including USA, China, Russia, Vietnam, Japan, Malaysia, Brazil and many other countries.

ENPOSS is continuously building strong business relationship with diverse global energy saving industries. We strive to be effective, efficient, while delivering integrity in everything we do. We are excited to be in an industry where we can help cut electric energy consumption.



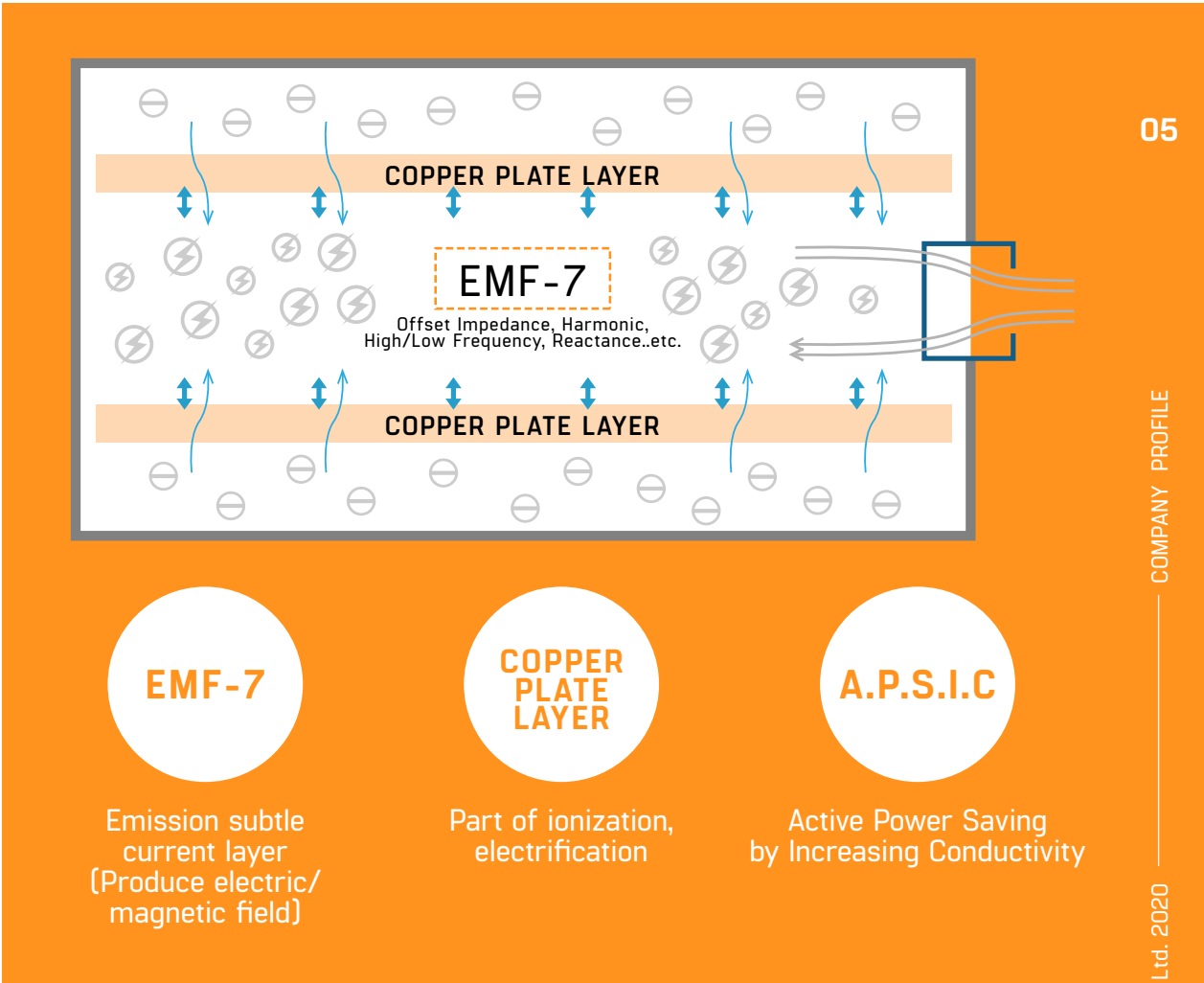
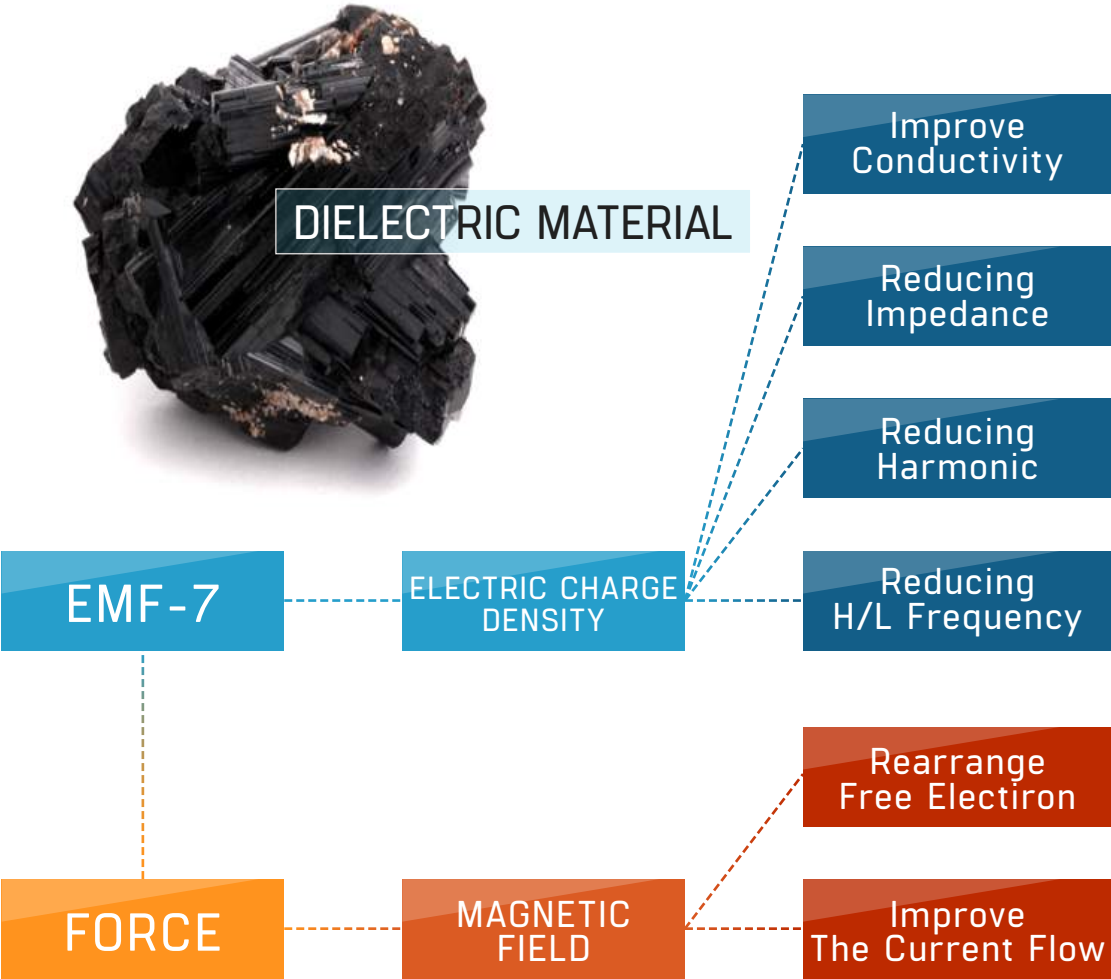
Effect and Expectation

EXPECTATION

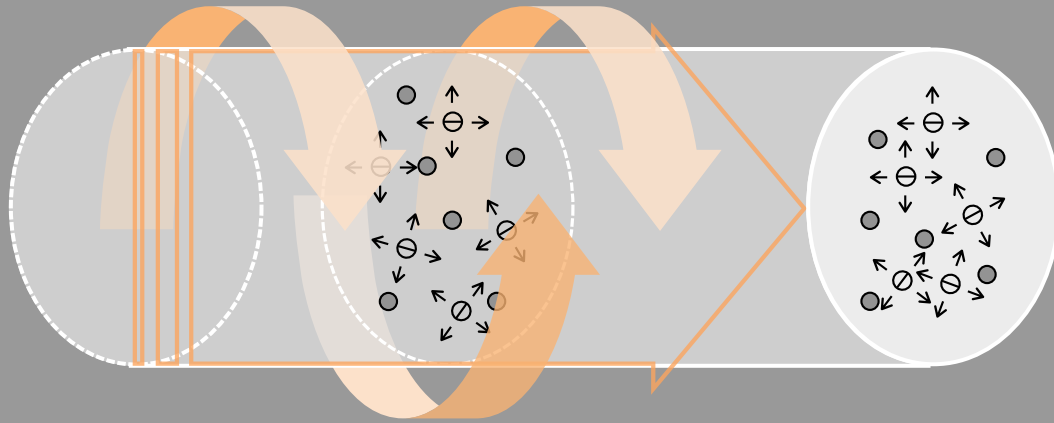
- Reduce power consumption
5 ~ 15%
- Save electric bill
10 ~ 20%
- Extend life time of appliances
- Reduce malfunction



Principal of FORCE_01



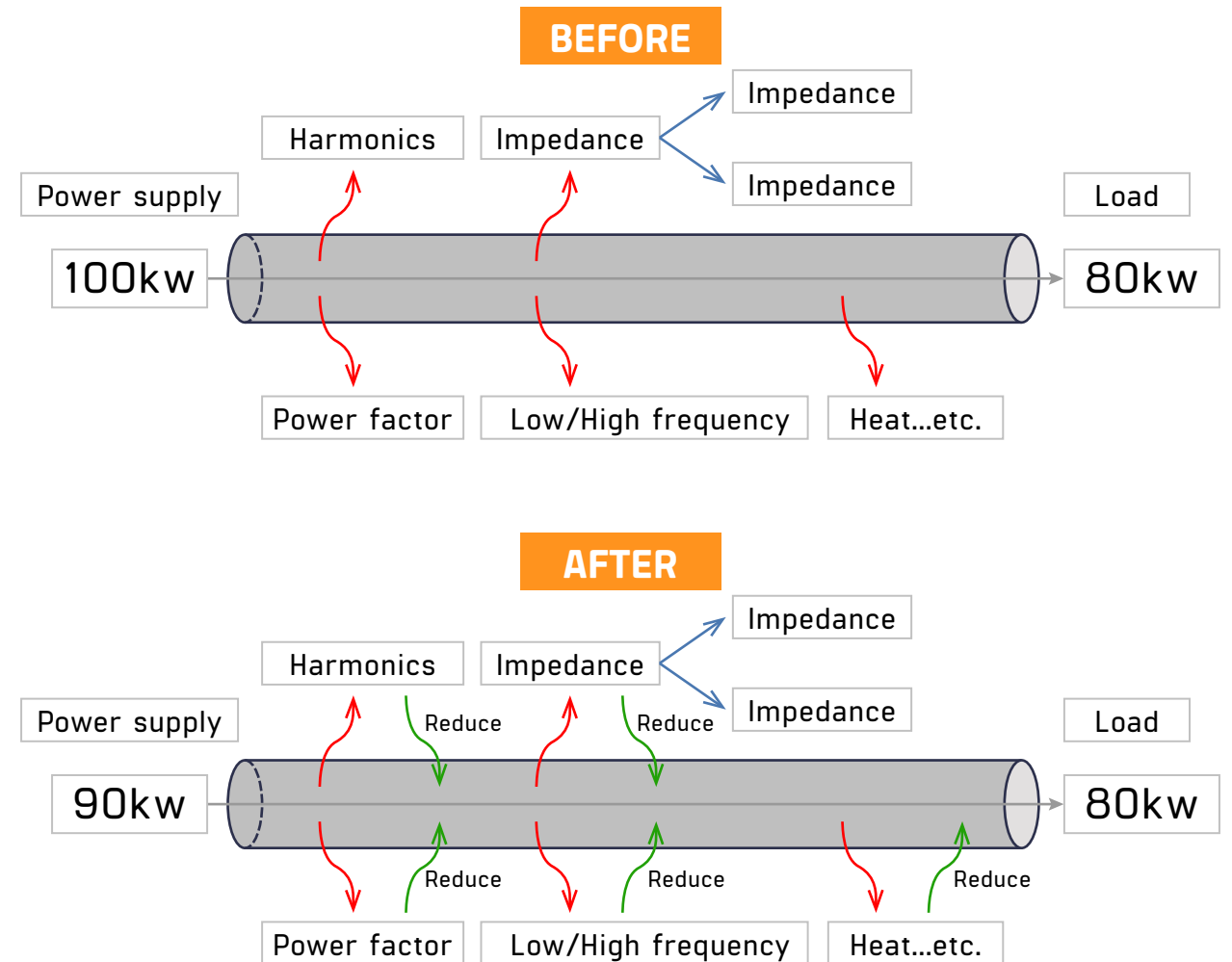
Principal of FORCE_02



The principal of FORCE operation is APSIC

'APSIC' stands for **Active Power Save by Increasing Conductivity**.

One of FORCE key elements, EMF-7, is an application of nanoworking and mixing of minerals from nature. This application(EMF-7) increases electrical conductivity and reduces impedance, heat, noise and vibraion. By improving the efficiency of the power system, power saving can be realized.



ENergy POwer Saving System

Specification

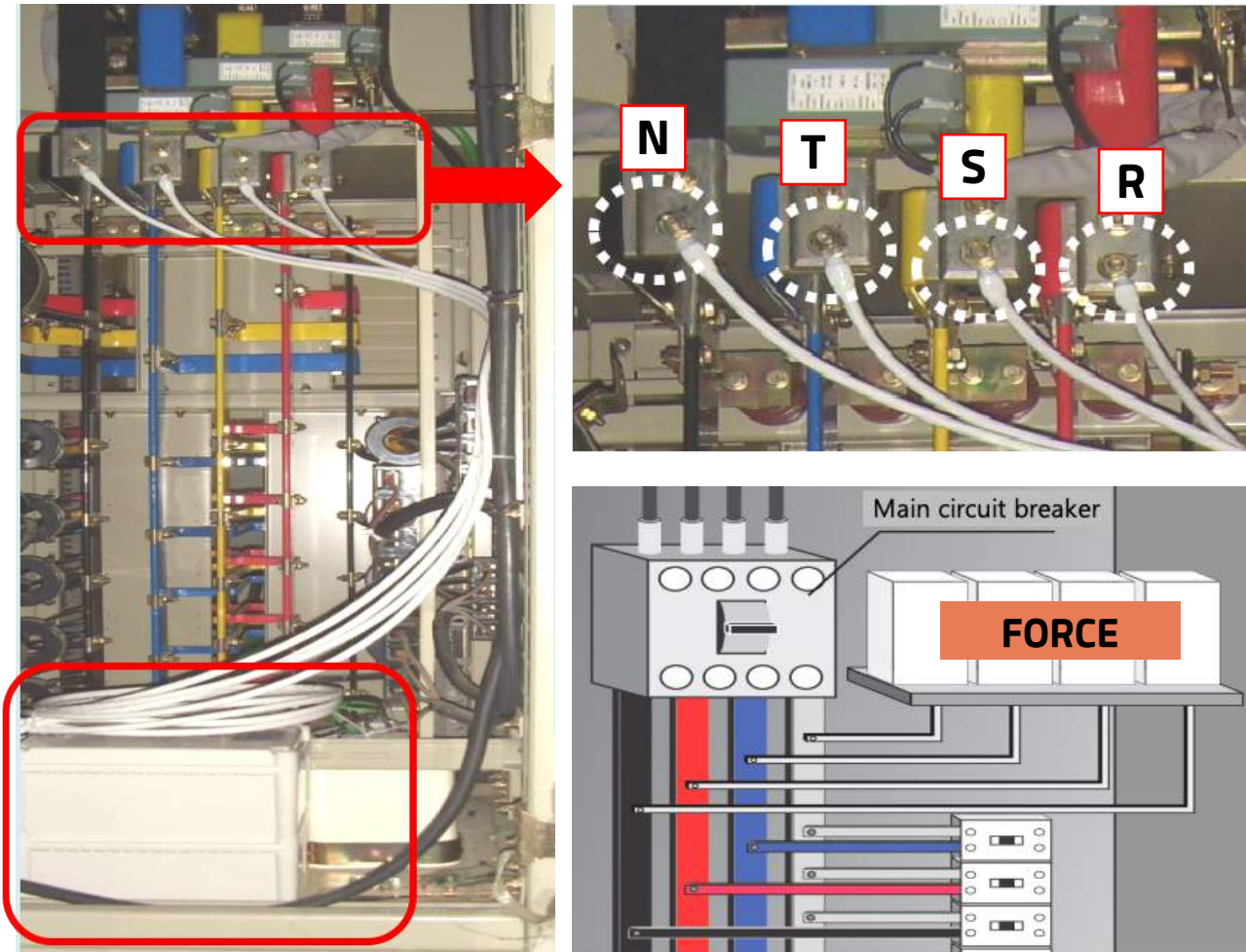
The FORCE (Electrical Energy saver by ENPOSS) | Major Component of FORCE is [EMF-7] | Produces Electromagnetic waves Physical and Chemical Operation | Absorbs offset or filters harmful elements and helps free electrons to flow conveniently

DIMENSION(FORCE)

POWER	KVA	MODEL	WIRE	SIZE (WXLXH)	WEIGHT (kg)
1P2W	5	F-2005	8SQ	80X130X35	1.5
	10	F-2010		80X110X70	2.5
3P3W	5	F-3005	14SQ	65X95X55	1.5
	10	F-3010	14SQ	80X110X70	3.0
	20	F-3020		80X130X70	3.5
	30	F-3030		80X180X70	5.5
	50	F-3050		80X180X85	6.0
	75	F-3070	25SQ	130X180X75	9.0
	100	F-3100		130X180X100	12.0
	200	F-3200		140X230X100	16.5
	300	F-3300		150X250X100	21.0
	400	F-3400		150X250X130	26.0
	500	F-3500		190X280X130	31.5
	750	F-3750		190X380X130	49.5
3P4W	10	F-4010	14SQ	65X95X55	2.0
	20	F-4020		80X110X70	4.0
	30	F-4030		80X130X70	5.0
	50	F-4050		80X180X70	7.5
	75	F-4070	25SQ	80X180X85	8.0
	100	F-4100		130X180X75	12.0
	200	F-4200		140X170X95	16.0
	300	F-4300		140X230X100	22.0
	400	F-4400		150X250X100	27.5
	500	F-4500		150X250X130	35.0
	750	F-4750		190X280X130	42.0
	1,000	F-4110	25SQ	190X380X130	65.5

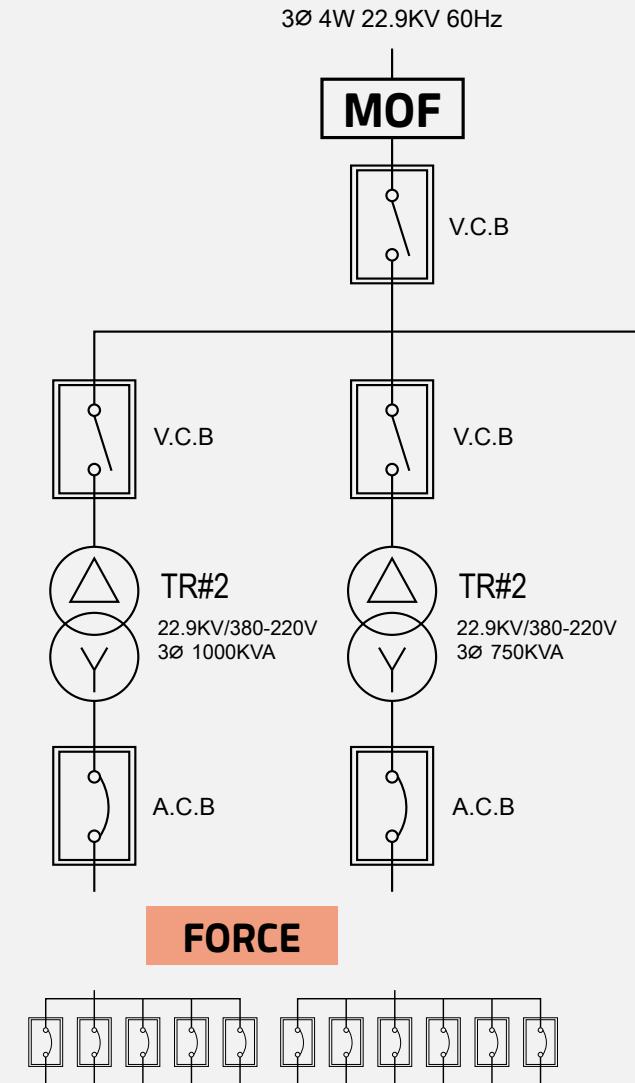


Easy to Install



LOCATION OF INSTALLATION

The secondary of main A.C.B of every phase R, S, T, N in parallel



Performance TEST report

(TUV, SGS)

Ref.: 35183611
Fecha: 15.12.08
Hoja: 25 de 25



5. CONCLUSIONES.

Observando estas gráficas, no se detecta una disminución del consumo, en condiciones normales de uso (horario de atención al público) con respecto a la instalación original, excepto en T-1. Cabe indicar que las condiciones ambientales de los dos periodos no han sido iguales, pudiendo existir mayor consumo de la instalación debido a la mayor demanda de los equipos de climatización.

No ocurre lo mismo en estado de bajo consumo (tienda cerrada), donde los registros indican una disminución bastante considerable, tal como se puede observar en las gráficas aportadas.

En los registros obtenidos en horario de cierre, la disminución de consumo se ha reducido un 11,3 % en T-1, un 6% en T-2 y 4,5% en T-3, aproximadamente.

El Prat de Llobregat, 16 de diciembre de 2008

Albert Castello Esteve
Técnico de TÜV RHEINLAND Iberica
Inspection, Certification & Testing, S.A.



REPORT N° 2209 / 1020

Page: 13 of 13
2010-01-27

5.- CONCLUSIONS.

According to the obtained results, it is possible to state that there is a 5,8 % reduction in the energy consumption during a six days period of time, regarding the same period without the energy saving system installed.

A **progressive consumption decrease** of the consumption can be observed at the second part of the test when comparing it with the first part, where the energy consumption remains steady along November 17th and 22nd. The **maximum appreciated reduction is -7,12 %**.

To summarize, it is possible to confirm that the FORCE energy saving device has influence on the installation, achieving a significant reduction in the energy consumption

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To summarize, it is possible to confirm that the FORCE energy saving device has influence on the installation, achieving a significant reduction in the energy consumption

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Laboratory Analyst	Laboratory Technical manager
 P.A. SGS Tecnos, S.A. Laboratorio de Ensayos Eléctricos	
FERNANDO PALACIOS CASTILLO	FERNANDO MONTES CLAVER

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ELECTRICAL TEST LABORATORY : C/ Trespaderno, 29 - Edif. Barajas 1 (28042 MADRID)
Tfno.: 913 138 000 / Fax: 913 138 093

Quality Certificate and Patent



Safety Certificate

(EU, MEXICO, CHINA)

EC Declaration of Conformity		LABORATORIO DE PRUEBAS DE LA ANCE		信息产业部电子第五研究所质量检测中心																	
Ref No.: SLB-CE-0089		Informe de Pruebas NMX-J-515-ANCE-2009		中国赛宝(总部)实验室																	
Manufacturer: ENPOSS CO., LTD. (Factory) #39-4, Wonhyoro1, Yongsan-Gu, Seoul, Korea		Acreditación ante la ENCE: 88-019-100-07		商检编号: Z0003WTR888-0433-E																	
Product: Electricity Power Saving System		Informa los: ANDR0009		第 3 页 共 15 页																	
Model(s): Force		Consejería: GOBIERNO DE MEXICO, S. A. DE C. V.		<table border="1"><tr><td>产品名称</td><td>FORCE 系统节电设备</td><td>型号规格</td><td>F-200</td></tr><tr><td>生产单位</td><td>广州市文纵通信科技有限公司</td><td>商 标</td><td>FORCE</td></tr><tr><td>委托单位</td><td>广州市文纵通信科技有限公司</td><td>检验类别</td><td>委托检验</td></tr><tr><td>生产方地址</td><td>广州市经济技术开发区青年路 479 号捷</td><td>检验地点</td><td>本实验室</td></tr></table>		产品名称	FORCE 系统节电设备	型号规格	F-200	生产单位	广州市文纵通信科技有限公司	商 标	FORCE	委托单位	广州市文纵通信科技有限公司	检验类别	委托检验	生产方地址	广州市经济技术开发区青年路 479 号捷	检验地点	本实验室
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生产方地址	广州市经济技术开发区青年路 479 号捷	检验地点	本实验室																		
Harmonized standard: EN 50178:1997		Dirección: AV. TECNOLOGIA #118 BJT. 303 SAN ANGELES		<table border="1"><tr><td>委托方地址</td><td>广州市经济开发区青年路 479 号捷</td></tr><tr><td>送样数量</td><td>壹台</td><td>送样者</td><td>生产厂</td><td>送样日期</td><td>2009-3-16</td></tr><tr><td>抽样地点</td><td>基 数</td><td>生产日期</td><td colspan="3"></td></tr><tr><td>检验环境</td><td>温度:15℃~35℃ 相对湿度:45%RH~75%RH 气压:86kPa~106kPa</td></tr></table>		委托方地址	广州市经济开发区青年路 479 号捷	送样数量	壹台	送样者	生产厂	送样日期	2009-3-16	抽样地点	基 数	生产日期				检验环境	温度:15℃~35℃ 相对湿度:45%RH~75%RH 气压:86kPa~106kPa
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		检验地点	本实验室																		
Product: Electricity Power Saving System		Muestra: SISTEMA DE AHORRO DE ENERGIA		结论: 合格																	
Model(s): Force		Marca: ENPOSS		说明: 合格																	
according to Low Voltage Directive 2006/95/EC		Modelo: F-5		主检: 王 强																	
CE		No. de Serie: S/N		审核: 李 强																	
Signature: Sung Gwon, Choi / President		Representante: EDGAR PEREZ GONZALEZ		批准: 王 强																	
		Prueba realizada: NMX-J-515-ANCE-2009		日期: 2009-3-17																	
		EQUIPOS DE CONTROL DISTRIBUCION: REGULADORES GENERALES DE SEGURIDAD-ESPESORADORES Y PRUEBAS		日期: 2009-3-17																	
		Procedimiento de prueba: PROLAB-25		日期: 2009-3-17																	
		Fecha de entrada: 05-MAR-2009																			
		Fecha de terminación: 26-MAR-2009																			
		Duración: 90 días																			
		Tipo de producto: NUEVO																			
		Avda. 100 Control de Calidad 888																			
		Caj. Nueva Industrial Valley																			
		México D. F.																			
		C. P. 07700																			
		Tel: 57-40-45-03 Fax: 57-47-9885																			
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Safety Certificate

(RUSSIA, USA, KOREA)

СИСТЕМА СЕРТИФИКАЦИИ ГОСТ Р
ГОСТАНДАРТ РОССИИ

СЕРТИФИКАТ СООТВЕТСТВИЯ

№ РОСС КЛАВ48.1100632
Срок действия с 06.07.2009 по 05.07.2010
1164578

ОРГАН ПО СЕРТИФИКАЦИИ
Рег. № РОСС RU.0001.11АВ48
ПРОДУКЦИОННО-МЕЖРЕГИОНАЛЬНЫЙ ЭКСПЕРТ
107113, г. Москва, Сокольнический иль, 4А
Почтовый адрес: 109153, г. Москва, а/я 21, тел./ факс: (499) 500-96-69, E-mail: megrexperth@mail.ru

ПРОДУКЦИЯ
Энергосберегающая система "FORCE"
Контракт № от 05 февраля 2009 года
Серийный выпуск

КОД ОК 005 (ОКП)
34 2000

СООТВЕТСТВУЕТ ТРЕБОВАНИЯМ НОРМАТИВНЫХ ДОКУМЕНТОВ
ГОСТ 121.007.9
КОД ТН ВЭД
8543 70 900 9

ИЗГОТОВИТЕЛЬ
Фирма "ENPOSS CO, LTD"
39-4 Wonkyong 1, Yangsan-Gu, Seoul, Республика Корея

СЕРТИФИКАТ ВЫДАН
ООО "Альтернативная Энергетика РО" (ООО "АЭРО"), Код-ОКПО: 89054979, ИНН: 7810539932
196105, Россия, Санкт-Петербург, ул. Сызранская, д.16, лит. А, пом. 22 Н, тел. 573-10-26

НА ОСНОВАНИИ
Протокола сертификационных испытаний № 110-45-05/09 от 28.05.2009 г.
Испытательная лаборатория ЭТИ ООО "Эксперт", рег. № РОСС RU.0001.21М.036 от 15.10.2008 г.

ДОПОЛНИТЕЛЬНАЯ ИНФОРМАЦИЯ
Система сертификации 2.

Руководитель органа
Эксперт
Сертификат не применяется при обязательной сертификации

Е.Ю. Соколов
Н.П. Максимов-Восточков

Underwriters Laboratories Inc.®

File: E169657 Vol. 1 Issued: 01-05-99

FOLLOW-UP SERVICE PROCEDURE
(TYPE L)
CABINETS AND CUTOOT BOXES (CYIV, CYIV7)

Manufacturer: DSE INC
(234048-001)
341-2 JANGLEM-DONG
SAHA-GU
PUSAN 604-040 KOREA

Applicant: Same as Manufacturer

Listee: Same as Same as Manufacturer

This Procedure authorizes the above Manufacturer to use the marking specified by Underwriters Laboratories Inc. only on products covered by this Procedure, in accordance with the applicable Follow-Up Service Agreement.

The Prescribed Mark or Marking shall be used only at the above manufacturing location on such products which comply with this Procedure and any other applicable requirements.

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Vice-President, Follow-Up Services

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Korea Testing Laboratories

설계서 번호: 07-2072-45
총 3 페이지 중 1 페이지

시험 성적서

1. 신청자
회사명: 이랜드
주소: 서울특별시 동작구 신대동 168-44

2. 시험품
품명: 원형기
모델/형식: F-330
제조자: ***

3. 시험규격/방법: KTL-001, 제1차 시험기준

4. 시험결과: 시험결과 통과

5. 성적서 용도: ***

6. 접수 일자: 2007. 09. 10

7. 발급 일자: 2007. 09. 11

시험자: [인도]
신뢰성평가팀장 임국주

승인자: [인도]
신뢰성평가팀장 정민호

본 성적서의 시험결과와 시험비교표의 제정된 시험방법만 적용하며, 본원의 사전 승인 없이는 본 성적서의 전부 혹은 일부를 복사하여 사용할 수 없습니다.

한국산업기술시험원장

경기도 안양시 일죽군 사동 1275-121호 418-9000
http://www.ktl.co.kr
FAX: 031-500-0429

Tel: 031-500-4028
Fax: 031-500-0429

MET Certificate

(USA)

MET LABORATORIES, INC. CERTIFICATION RECORD



The applicant named below has been authorized by MET Laboratories, Inc. to represent the product(s) listed in this report as "MET Certified" and to mark this/these product(s) according to the terms and conditions of the MET Mark Utilization Agreement, MET Listing Reports, and the applicable marking agreements. Only the product(s) bearing the MET Mark and under a follow-up service are considered to be included in the MET Certification program. This certification has been granted under a System 3 program as defined in ISO Guide 67.

FILE NUMBER: E113167

APPROVAL DATE: October 4, 2011

REVISED: -

PRODUCT(S)	MODEL(S)	ELECTRICAL RATINGS
Energy Saving Device	FORCE	100V-600V, 60 Hz, 50KVA

STANDARD NUMBER	STANDARD TITLE	EDITION
UL 916	UL Standard for Safety Energy Management Equipment	Fourth Edition
CAN/CSA C22.2 No. 205-M1983	Signal Equipment	First Edition

MET LABORATORIES, INC. requires that any and all changes proposed in the previously identified product(s), that affects the information contained in the above referenced listing report, must be submitted to MET for evaluation prior to implementation to assure continued MET Certification status.

The above identified product(s) has/have been submitted by the applicant:

APPLICANT:

Enpos Inc.
Beuksan Disital Vally
5-Cha 101-Ho, Gasan-Dong
Kumchun-gu
Seoul,
Korea

The covered products shall be subjected to follow-up inspections to ensure that the Certified product(s) are identical to the representative product sample evaluated by MET LABORATORIES, INC. and that all manufacturer's responsibilities are being fulfilled as specified in the MANUFACTURING RESPONSIBILITY section of the Certification report.

Rick Cooper
Director of Laboratory Operations,
Safety Laboratory



MET Laboratories, Inc. is accredited by OSHA and the Standards Council of Canada.
The Nation's First Nationally Recognized Testing Laboratory

NRTL



MET Laboratories, Inc. Safety Certification - EMC - Telecom - Environmental Simulation - NEBS
914 WEST PATAPSCO AVENUE • BALTIMORE, MARYLAND 21250-3432 • PHONE (410) 919-1802 • FAX (410) 354-3313

October 4, 2011

Mr. Choi Sung Kwun
Enpos Inc.
Beuksan Disital Vally
5-Cha 101-Ho, Gasan-Dong
Kumchun-gu
Seoul, Korea

Subject: Energy Saving Device, Model: FORCE
Listing Number E113167; MET Project Number 31385
Safety Standards:

- UL 916 - UL Standard for Safety Energy Management Equipment - Fourth Edition
- CSA C22.2 No. 205-M1983 (R 2009) Signal Equipment - First Edition

Dear Mr. Kwun:

Congratulations on successfully completing the MET Certification process for the Energy Saving Device, Model: FORCE. Enpos Inc. may begin to apply the MET Mark on the above stated product at this time in accordance with the MET Mark Utilization Agreement or the MET Applicant Contract. The reports covering the above stated product will be forthcoming.

Follow-up inspections are conducted unannounced and biannually to assure the Certified product is identical to the product evaluated.

Thank you for the opportunity to perform this service for Enpos Inc. We look forward to future opportunities with your company.

Sincerely,

MET LABORATORIES, INC.

Rick Cooper
Director of Laboratory Operations,
Safety Laboratory

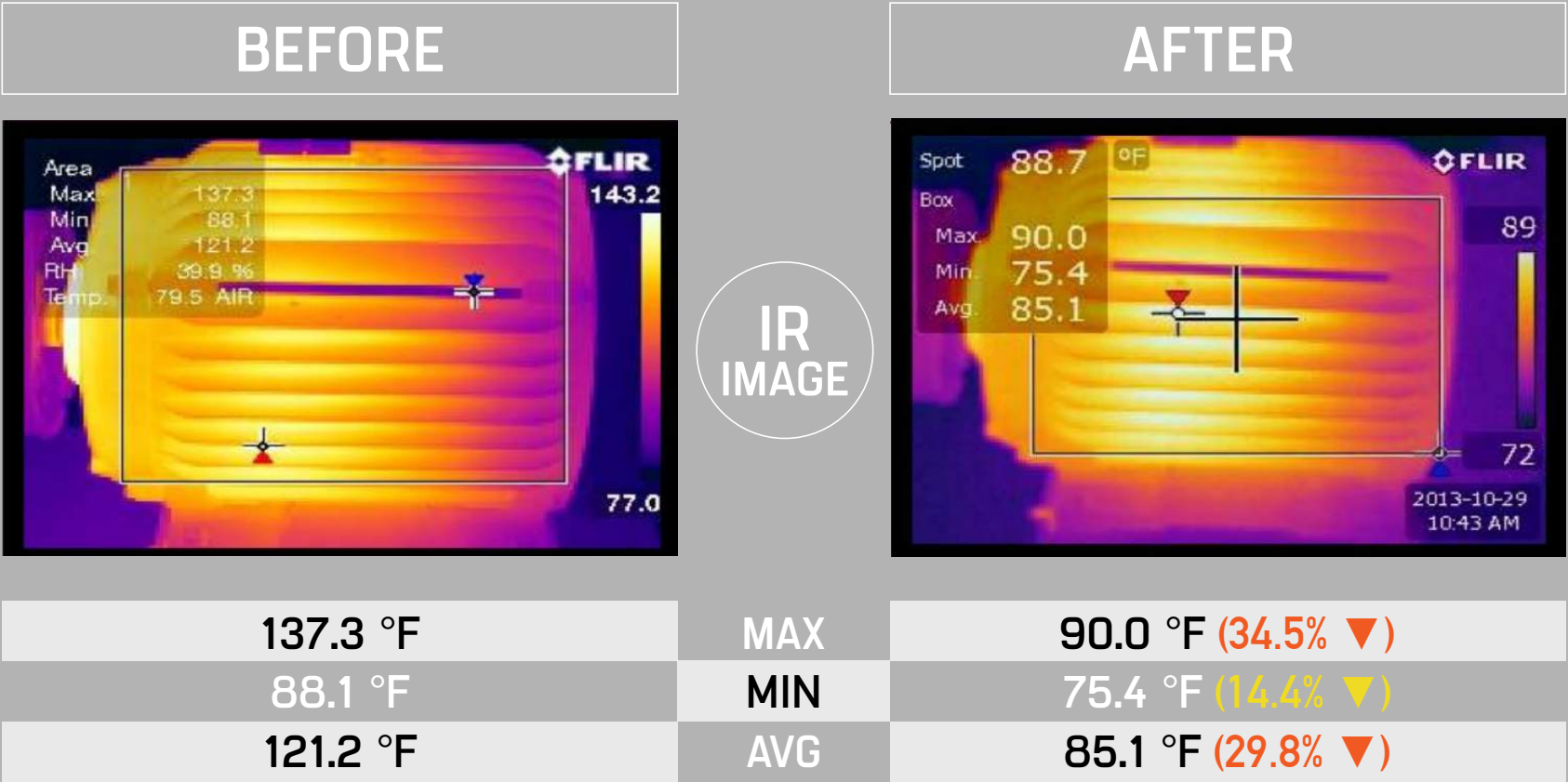


The Nation's First Nationally Recognized Testing Laboratory
MET Laboratories, Inc. is accredited by OSHA and the Standards Council of Canada.

NRTL

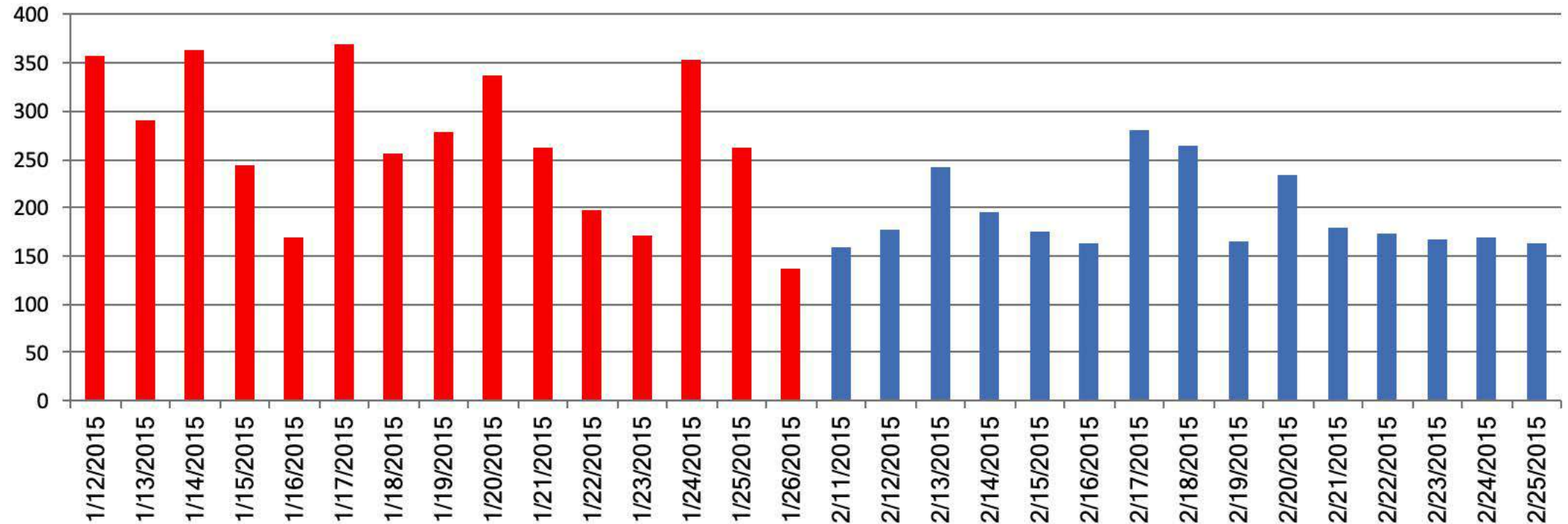
Canadian Certification has been granted under a System 3 program as defined in ISO Guide 67.

Temperature Drop on the surface of motor



ELECTRICAL NOISE (THD)

Before and after FORCE Installation

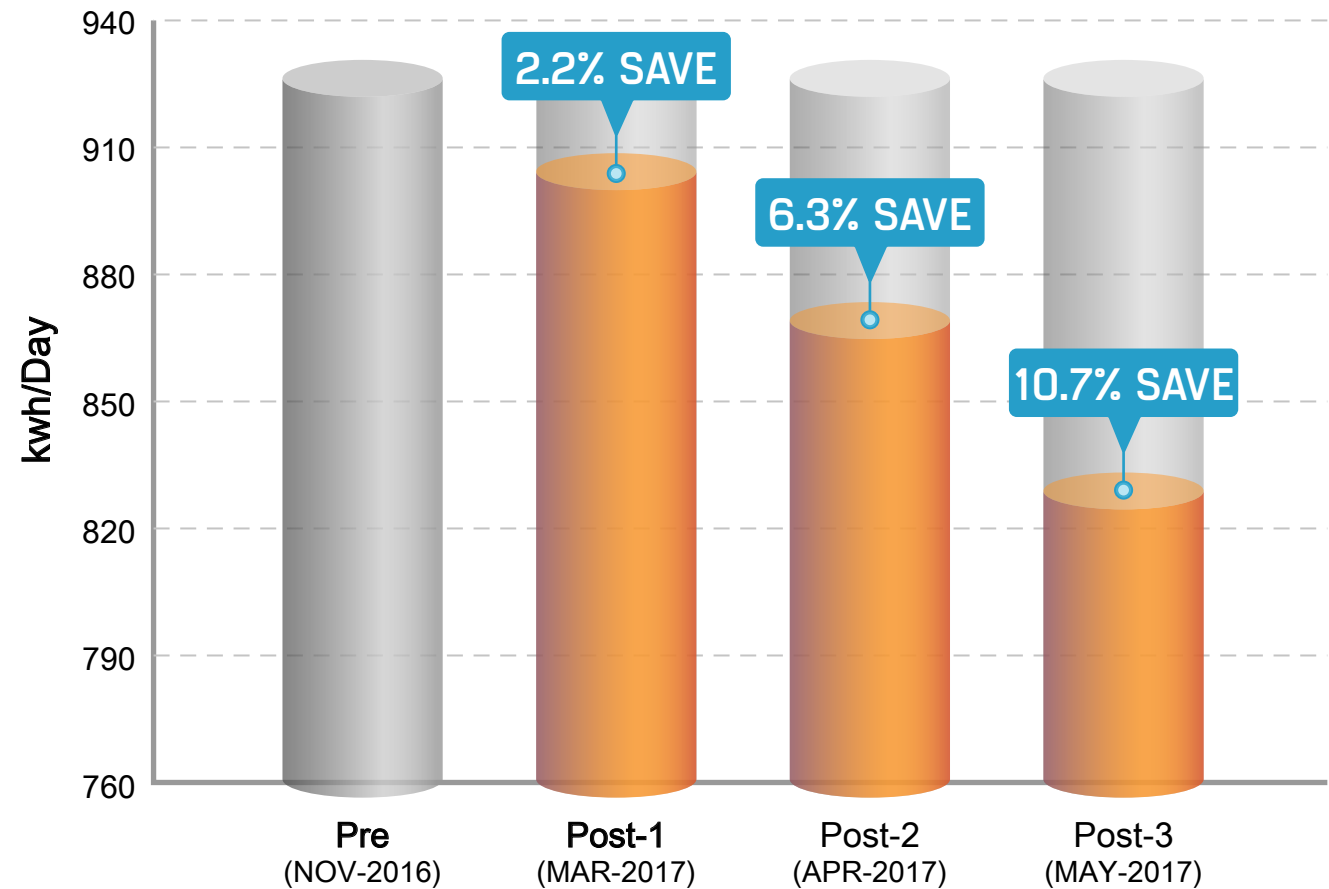


1. The above chart depicts Maximum total harmonic distortion(THD) both before and after FORCE was installed, an apparent reduction can be observed.
2. While no HD mitigation product can completely eliminate HD, any reduction of HD will lead to better power quality, less wear and tear on equipment and reduced energy consumption.
3. After FORCE was installed a noticeable reduction in HD can be observed. The Overall Maximum HD reduction rate was nearly 30%.

Sales Performance Data (Agriculture)

PROJECT SUMMARY

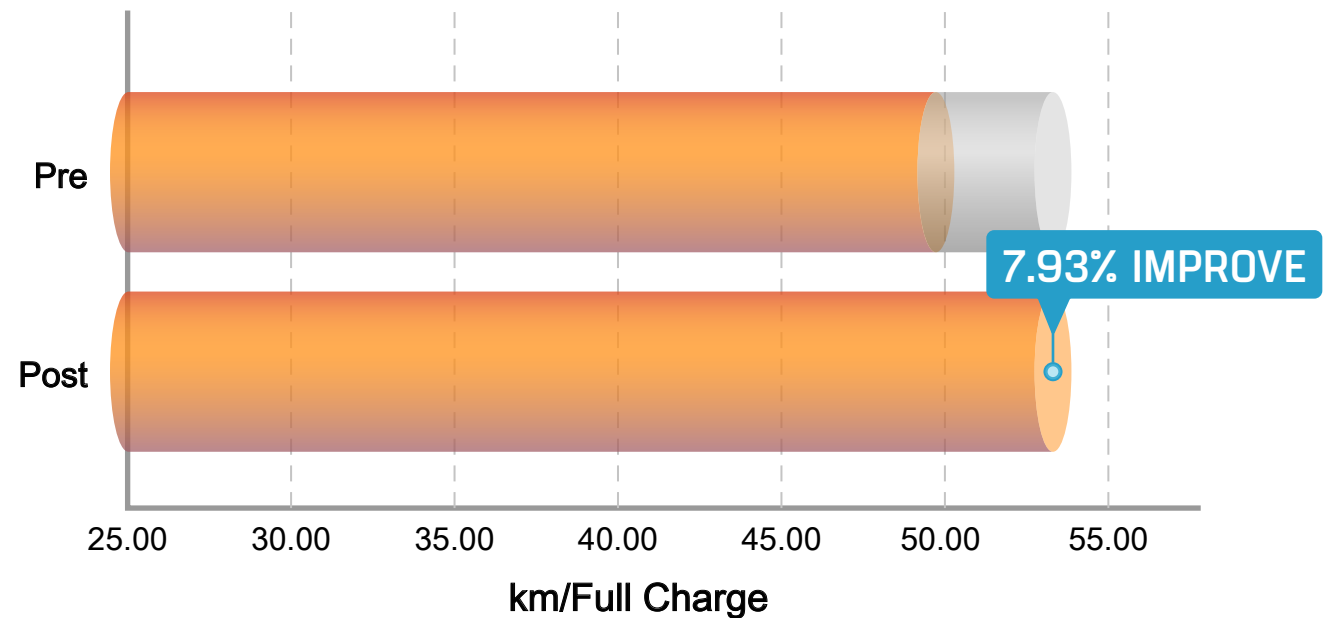
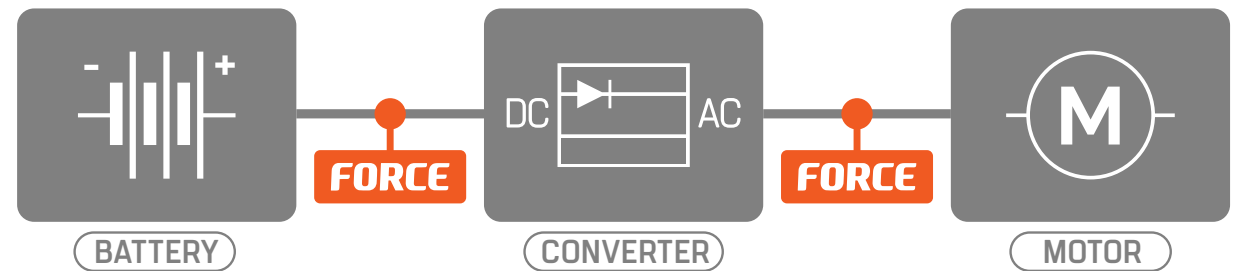
- **Major product**
Agricultural products
- **Main panel capacity**
400Kva
- **Test method to prove**
Individual load test
- **Graph of tested object**
One of air compressor, chiller, lighting, heating and others.
- **Load connected**
Main panel, transformer
- **Total saved power consumption**
10.7% of total connected load



Sales Performance Data (Electric Light Motorcycle)

PROJECT SUMMARY

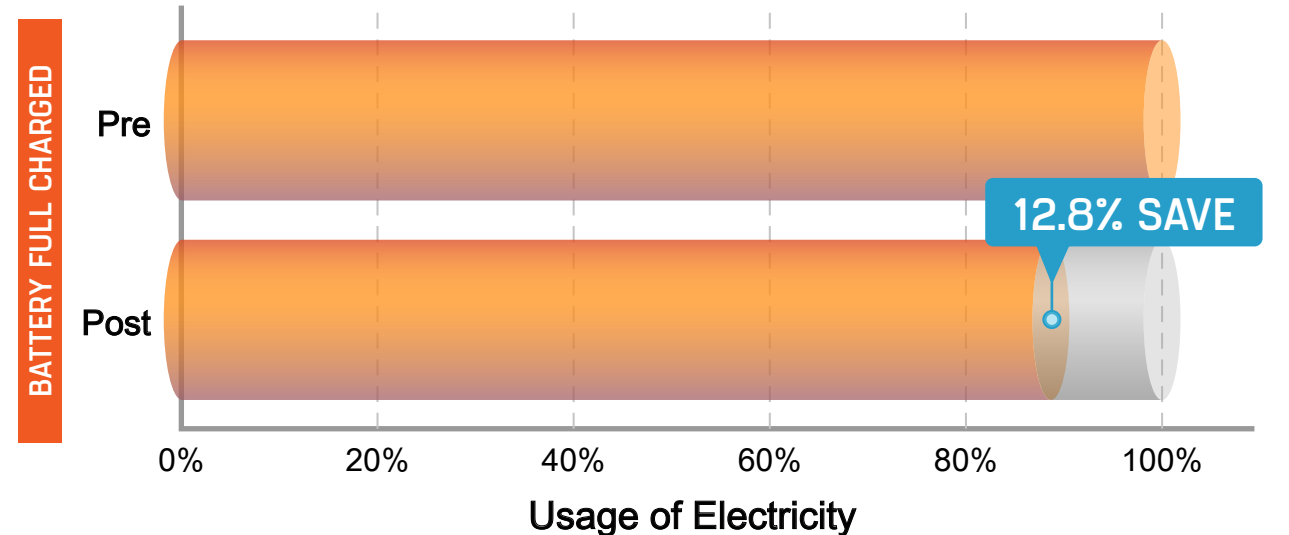
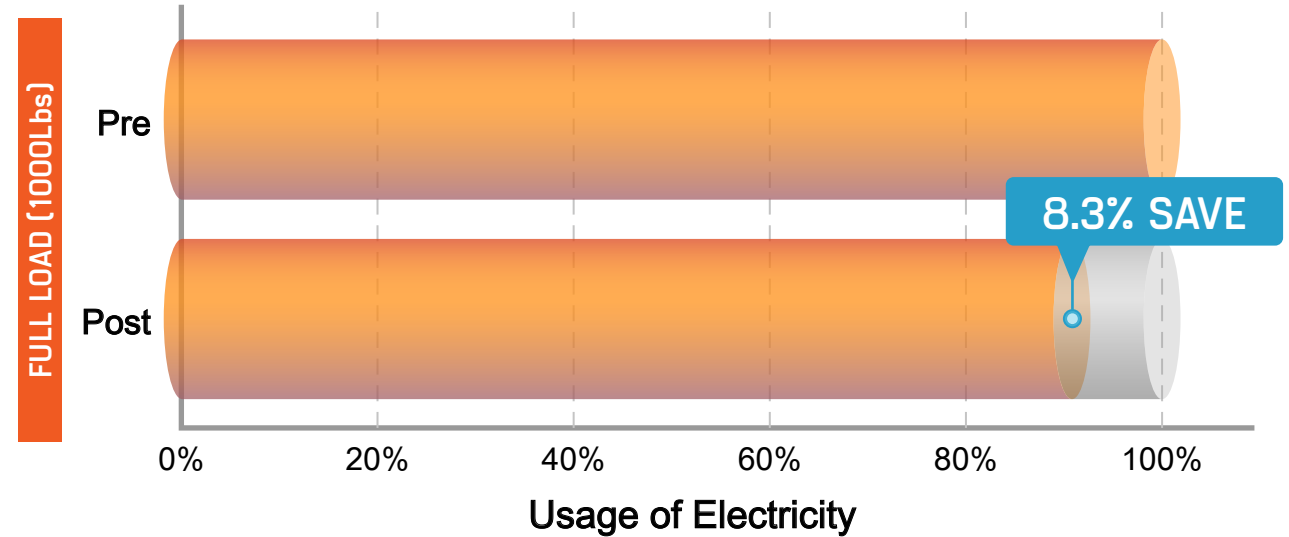
- **Major product**
Electric Light Motorcycle
- **Test method to prove**
Individual load test
- **Graph of tested object**
Battery 60V(20/30AH), Motor 600W
- **Load connected**
Between battery, Converter and Motor
- **Improvement**
7.93% of total connected load



Sales Performance Data (Fork Lifter)

PROJECT SUMMARY

- **Major product**
Fork Lift
- **Test method to prove**
Individual load test
- **Graph of tested object**
Model 7500 Reach truck
- **Load connected**
VSM lift motor
- **Save energy in average**
8.3~12.8% of total connected load



HARMONIC DISTORTION PROBLEMS

The problem of harmonic distortion of electric power system started in the 1970s' when semi-conductors were used on electronic control. Now the harmonic distortion problem can be solved, however, it is varied in the technologies, high in cost and not simple.

- 1

Oil Embargo

Price increases in Electricity

Industrial Consumers and Utilities have began apply power factor improvement using Capacitor and Significant increases in the number of capacitors connected to power system but Equally increases in the number of tuned circuits in plant and Utility networks.
- 2

Low Voltage Thyristor Technology

DC Motor Drives

Proliferation of Small, independently operated convertors Usually without harmonic mitigation techniques employed.

SOLUTION IS FORCE

- Very Cost Effective

1
- Well type

2

of Harmonic Distortion reduction technology
- Authentic

3

Fully patented, Lab proven, Safety tested by worldwide customers
- No Maintenance

4
- Easy to Install

5
- Tourmaline

6

Mineral based, Pezo and Pyro electric in nature
- Certified by MET Laboratories, Inc.

7
- Used by US Government

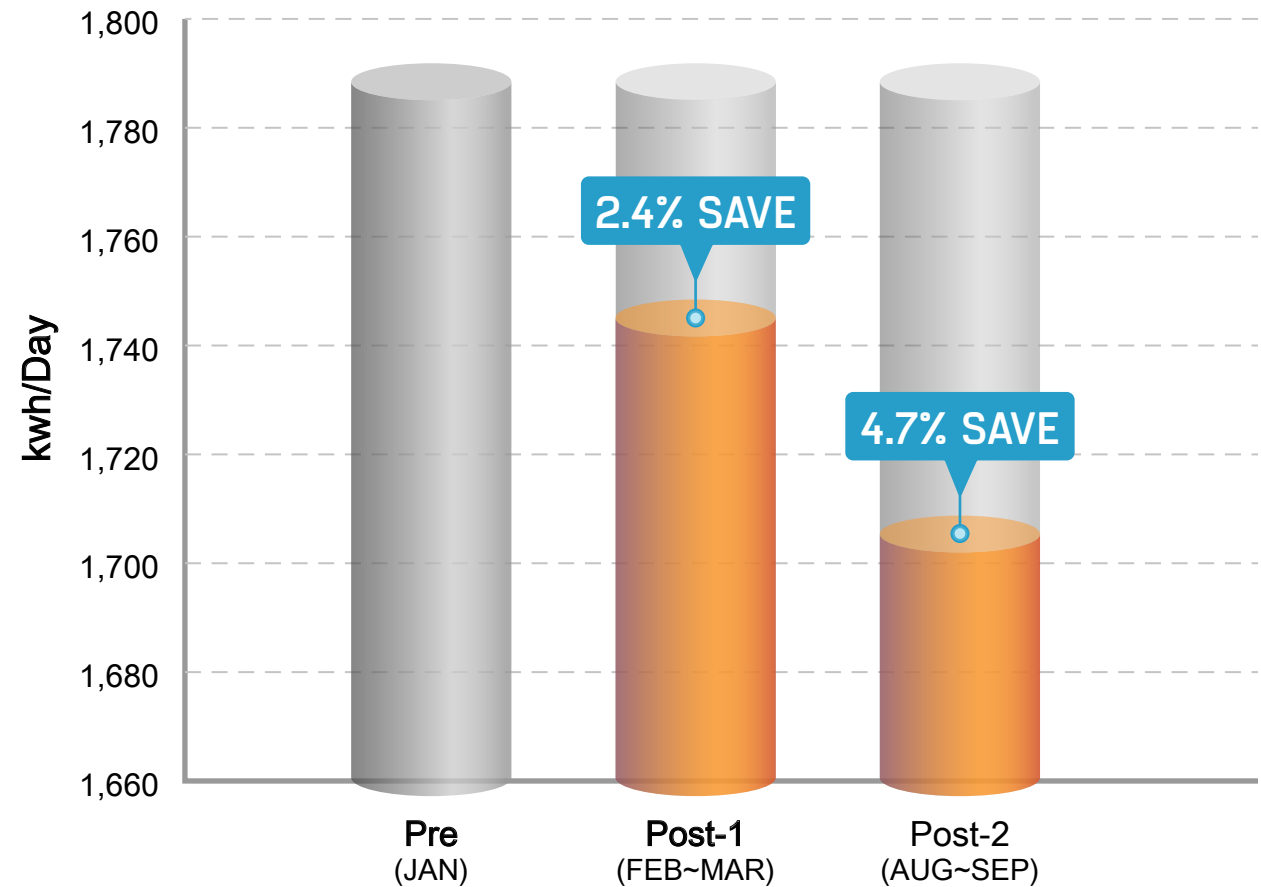
8

US government used this component to reduces harmonic distortion during WWI

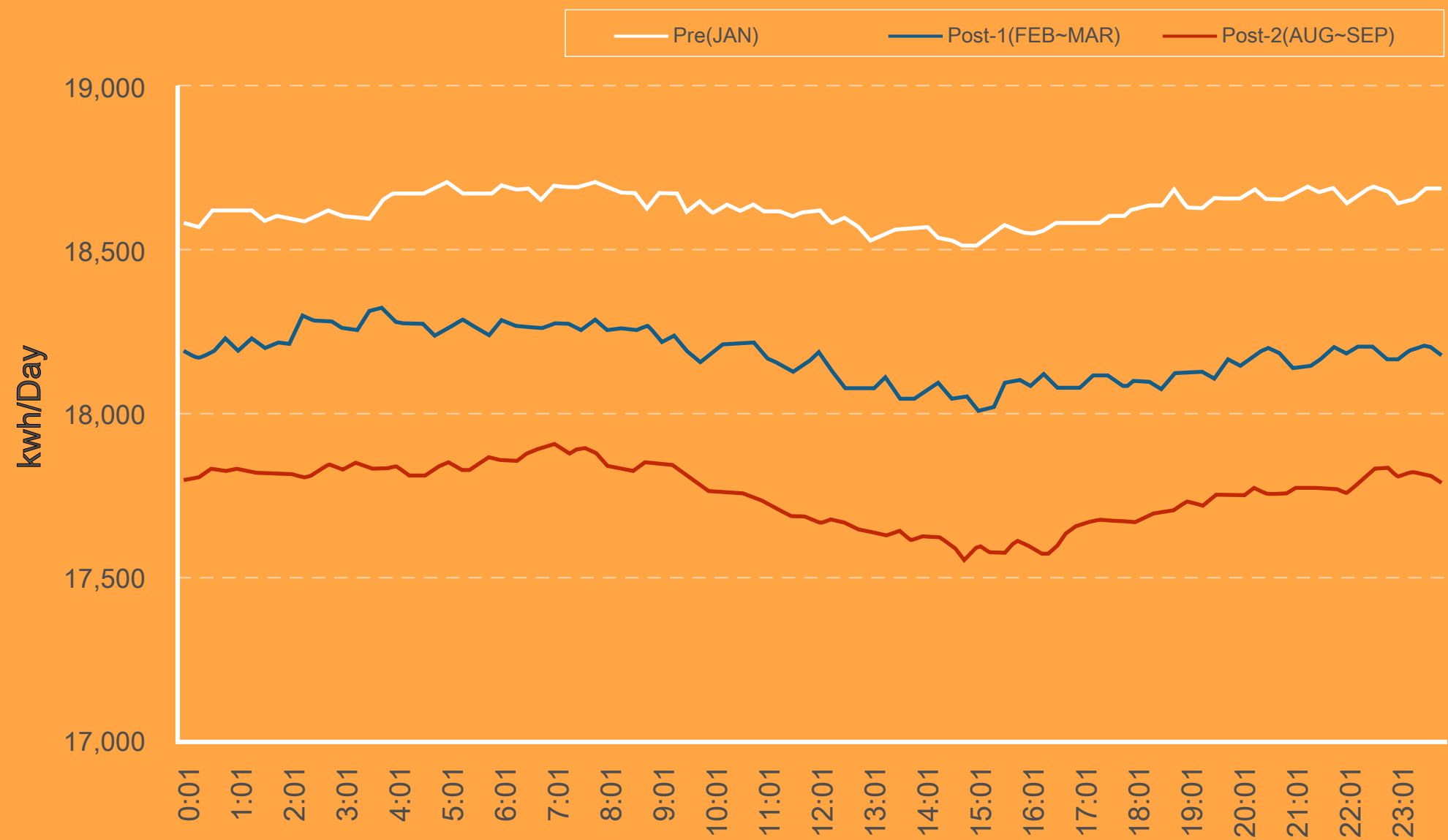
Sales Performance Data (Kyungshin Cable)

PROJECT SUMMARY

- **Major product**
Wire harness for Automotive
- **Main Transformer**
2,870Kva
- **Test method to prove**
Individual load test
- **Graph of tested object**
One of air compressor (HIOKI 3169)
- **Load connected**
Air compressors, Winding M/C
- **Save energy in average**
5.6% of total connected load



Sales Performance Data (Kyungshin Cable)



PRE & POST AVERAGE POWER CONSUMPTION PER 15MIN