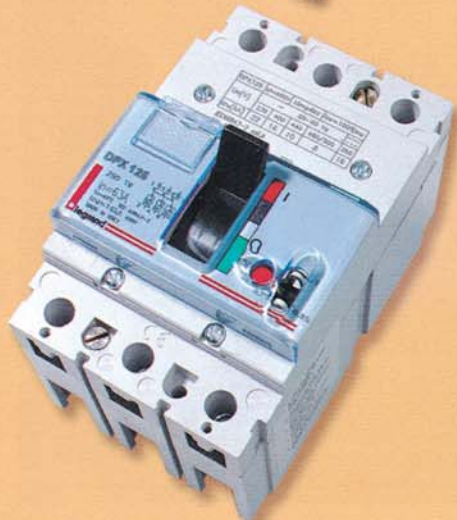


The **legrand** Lexic Modular Approach The Result of **EXPERTISE**

Legrand Lexic, one of the fully imported Europe product. Providing safety, simplicity and freedom of installation is the key to Legrand's assurance of high Performance.

Legrand Lexic also comply to IEC60898 for MCB IEC61008-1 for RCCB.



1 2 3 4 5 6 - 0 0



www.legrand.com

Distributed in Malaysia by:

EIP MARKETING SDN. BHD. (701546-W)

34 (Ground Floor), Jalan USJ1/IC, Regalia Business Centre, 47620 Subang Jaya, Selangor Darul Ehsan, Malaysia.

Tel: +603-8023 9018 / 9017 Fax: +603-8023 9016 E-mail: eipmkt@tm.net.my

New Books in Our Library

Informative reference materials are available in our Library. The Library is open to members from 9:00 am to 5:45 pm, Monday to Friday.

Title : 60th Anniversary Souvenir Magazine Publisher : Penang Electrical Merchants' Association	Title : EUMCCI Review, October 2008 Publisher : European Union-Malaysia Chamber of Commerce and Industry	Title : Power-Gen Asia Conference & Exhibition 2008, Show Guide Publisher : PennWell Corporation
Title : ACCCIM Bulletin, December 2008 Publisher : The Associated Chinese Chambers of Commerce and Industry of Malaysia	Title : FMM-MATRADE Industry Directory, Electrical & Electronics 2007/2008 Publisher : Federation of Malaysian Manufacturers	Title : PTM Energy Smart, Issue 0023/08 Publisher : Malaysia Energy Centre
Title : Annual Report 2007 Publisher : Tenaga Nasional Berhad	Title : Guide Book Publisher : Japan Power Cable Accessories Association	Title : Productivity Report 2007 Publisher : Malaysia Productivity Corporation
Title : Annual Report 2007 Publisher : SIRIM Berhad	Title : HKECA Newsletter, January 2009 Publisher : Hong Kong Electrical Contractors' Association	Title : Report on INDEE Kuala Lumpur 2008 Publisher : EEPC India
Title : Berita FMM, November – December 2008 & January – February 2009 Publisher : Federation of Malaysian Manufacturers	Title : IEEMA Journal, December 2008 & January 2009 Publisher: Indian Electrical & Electronics Manufacturers' Association	Title : Standards & Quality News No. 1/2009 Publisher : SIRIM Berhad
Title : Berita KLSCCCI, October – December 2008 Publisher : The Chinese Chamber of Commerce & Industry of Kuala Lumpur and Selangor	Title : Indian Engineering Exports, October – November 2008 Publisher : EEPC India	Title : Suara KLSICCI, April – June 2008 Publisher : Kuala Lumpur & Selangor Indian Chamber of Commerce & Industry
Title : Berita MFPA, Second Issue 2008 Publisher : Malaysian Fire Protection Association	Title : Kenshu, No. 185, 2009 Publisher : Association for Overseas Technical Scholarship, Japan	Title : SUARA Perunding, September 2008 Publisher : Association of Consulting Engineers Malaysia
Title : Buletin Suruhanjaya Tenaga, August 2008 Publisher : Energy Commission, Malaysia	Title : Malaysian Construction Industry Directory, 2008–2009 Publisher : Construction Industry Development Board, Malaysia	Title : Tenaga Link, Vol. 02/08 Publisher : Tenaga Nasional Berhad
Title : Code of Ethics for Contractors Publisher : Ministry of Works	Title : MASSA News, September 2008 Publisher : Malaysia South-South Association	Title : The Ingenieur, September – November 2008 Publisher : Board of Engineers Malaysia
Title : Construction Project Registration, November 2008 Publisher : Construction Industry Development Board, Malaysia	Title : Master Builders Journal, 3rd Quarter 2008 Publisher : Master Builders Association Malaysia	Title : Trade and Economic Digest, July/August 2008 Publisher : The Associated Chinese Chambers of Commerce and Industry of Malaysia
Title : Economic Report 2008/2009 Publisher : Ministry of Finance Malaysia	Title : MGCC Quarterly, November/December 2008 & January/February 2009 Publisher : Malaysian-German Chamber of Commerce and Industry	Title : TradeMart, November/December 2008 Publisher : Malaysia External Trade Development Corporation
Title : Efficient Management of Electrical Energy Regulations 2008 Publisher : Suruhanjaya Tenaga		Title : What's New from Malaysia Publisher : Malaysia External Trade Development Corporation

Agent / Authorised Distributor for :-

ABB



Full Range of Low Voltage Products:-

EMAX Air Circuit Breaker

Tmax T.Generation MCCB

System **PRO M Compact** MCB & RCCB

SoftStarters & Inverter Drives **ACS Series**

Magnetic Contactors

Earth Fault & Overcurrent Relay **SPAJ 140C**

Switch-Disconnecter **OT & OETL**

OVR Surges Protection

MS Manual Motor Starter

Others

SAMWHA



Low Voltage Power Capacitor



* Range from 2.5 Kvar to 30 Kvar 440V Dry Type



Mechanical Relay & Din Rail Timer



Mikro

Protective Relay & Power Factor Regulator



CHNT

Low Voltage Products

Air Circuit Breaker
Moulded-Case Circuit Breaker
MCB
RCB
Contractors
&
Surges Protection



FUSELINE ELECTRIC & ENGINEERING SDN BHD (424303-K)

No.12A, Jalan Pemberita U1/49, Temasya Industrial Park Glenmarie, 40150 Shah Alam, Selangor D.E
Tel: 603 - 5569 5766 Fax: 603 - 5569 0058 Email: fuseline@streamyx.com



SHAMAN SDN. BHD. (45706-K)

Established Since 1979

We are specializing in :-

**HIGH TENSION ELECTRICAL WORKS
LOW TENSION ELECTRICAL & ENGINEERING WORKS
EXTRA LOW VOLTAGE WORKS
TELEPHONE WORKS
MECHANICAL WORKS
MAINTENANCE WORKS**

REGISTERED WITH:-

- **PKK (CLASS 1)**
- **PKK CLASS A**
- **TARAF BUMIPUTERA**
- **CIDB (G7)**
- **SURUHANJAYA TENAGA**
- **KEMENTERIAN KEWANGAN MALAYSIA**
- **TENAGA NASIONAL BERHAD**
- **TELEKOM MALAYSIA BERHAD**
- **PUTRAJAYA HOLDINGS**

KUALA LUMPUR : No. 277-3, Jalan Selinsing 7, Taman Niaga Waris, Off Jalan Kuching, 51200 Kuala Lumpur, Malaysia.

Tel : 603 - 6258 4288, 6251 0595 Fax : 603 - 6251 6966 E-mail : mail@shaman.com.my

SABAH BRANCH : No. 12,1st Floor, Block B, Heritage Plaza, Jalan Lintas, 88000 Kota Kinabalu, Sabah.

Tel : 088-712 133 Fax : 088-716 133 E-mail : kkoffice@shaman.com.my



MEGA MAYANG M&E SDN. BHD. (160210-W)

Registration with authorities:

- **Suruhanjaya Tenaga - Class 'A'**
- **CIDB G7 Categories 'B10', E'04', E'05', E'06', E'07', M'02', M'15'**
- **PKK Kelas I Kepala VII**
- **Kementerian Kewangan Malaysia**
- **Tenaga Nasional Berhad - Class 1**
- **Lisence Plumber for SYABAS & DBKL**
- **Certified to ISO 9001 : 2000**

Address: No. 47, Jalan Rebena 3, Off Jalan Seruling 59, Taman Klang Jaya, 41200 Klang. Selangor Darul Ehsan.

Tel: +603-33238822 / 8866 / 8877, Fax: +603-33238832, Email: mme@megamayangsb.com

Hitachi Variable Frequency Drives



SJ300 series

Full Feature performance for Applications Requiring High Starting Torque and Functional Versatility



SJ200 series

The Compact Inverter with High-Torque and User-Friendliness



X200 series

Simple, Trip-less and Environment-friendly Compact Inverter



SJ700 series

High performance with Many useful Functions and User Friendly



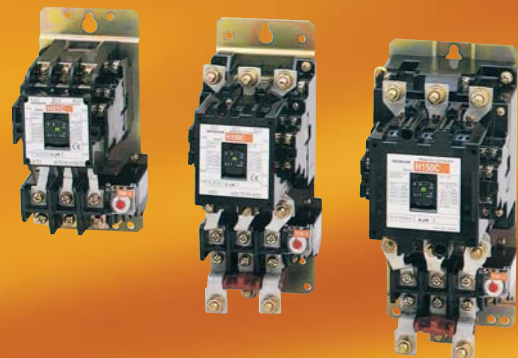
L300P series

Enhanced Energy-saving Function for General Applications

Miniature Circuit Breakers & Residual Current Circuit Breakers



Hitachi Switches (Up to AC 600V)



Hitachi Fuse Free Breakers Global Series Molded case circuit breakers New 30AF-1200AF



Hitachi Air Circuit Breakers (AK Series)



Sumer Engineering Trading (M) Sdn Bhd

Distributor of Hitachi Switches & Variable Frequency Drives

Lot 558, Jalan Subang 3, off Persiaran Subang, Sungai Penaga Industrial Park, 47610 Subang Jaya, Selangor.

(405857-H) Email: michael@sumber.com.my Website: www.sumber.com.my

Tel: 603-5633 4227 Fax: 603-5633 4239

Johor Bahru Tel: 07-332 9455, 07-332 9466 Fax: 07-332 5982

Penang Tel: 04-390 5157, 6157, 7157 Fax: 04-399 9155

Solar Photovoltaic: Sunny Solution for Tomorrow

*This article is published with the generous permission from the writer, Ms Chen Wei-Nee of Pusat Tenaga Malaysia.
The article was first published in BEM's The Ingenieur, Dec 2008 - Feb 2009 Issue.*

With the ever fluctuating costs of fuel and rising electricity tariffs, households and businesses would need to consider ways to reduce their energy consumption. There are a few ways to do so. Firstly, improve the energy efficiency of your appliances used. This typically involves simple measures such as changing to energy efficient air conditioning, energy saving lightings, 5 star-rated refrigerators and living a lifestyle which inculcates practising energy savings. Besides using energy efficient appliances, the owner should consider ways of increasing energy efficiency of the building. If the owner is planning to build a new house, then energy efficiency should be incorporated into the design of the house which would be more effective. If the house already exists, then the owner can retrofit some energy efficient measures to the house.

Solar Energy-the Next Step

Once the energy efficiency of appliances and building is taken care of, the next step for the owner to consider is to replace part of the electricity bill by using alternative energy. The use of solar energy is most suitable for urban application. Solar energy can be utilised in at least three ways. The owner can design the building to maximise the use of natural day lighting. Malaysia being in the equatorial, receives consistent amount of sunshine every day of the year. Office buildings can easily tap into the sunlight for natural day lighting. The Zero Energy Office (ZEO) of Pusat Tenaga Malaysia is exemplary of such application.

The second use of solar energy will be as heating system. The use of solar thermal system for water will help to reduce electricity bill required for heating. Under the recent Budget 2009 announcement, energy efficient appliances (eg air-conditioners, lightings, fans and televisions) and solar heating system equipment that are manufactured locally are exempted from sales tax import duty and sales tax on intermediate goods such as insulation materials are also exempted, thus bringing down the cost of energy efficiency measures for buildings.

While solar thermal system is widely known in the country, many are unaware that electricity can also be generated from the sun. Solar technologies are divided into solar thermal and solar photovoltaic. While solar thermal uses the heat component of the sun, solar photovoltaic uses the light component of the sun to generate electricity. Both technologies are readily available in Malaysia, however, solar photovoltaic (PV) for urban application is still relatively new compared to the solar thermal heater.

Solar Photovoltaic Applications

Most people would associate the use of solar PV system for rural applications whereby there is no access to grid electricity. Most people would also be familiar with PV applications for simple consumable goods such as solar calculator. In the urban areas, solar-powered parking meters and hazard road signs can also be seen. But not many would realise that solar PV can also be used for the household and office. In urban applications, the solar PV system is grid-connected as opposed to off-grid PV systems for rural applications. When the solar PV system is connected to the grid, it means that the building has two power sources; one from solar PV system and the other from the grid. The grid essentially acts as a "giant battery". This means owner does not have to invest in any battery system and this will lower his capital investment. The electricity generated by solar PV system is consumed



In PTM ZEO, the use of natural day lighting is maximised to reduce electricity consumption.

in situ and the net result is a reduction in electricity bill at the end of the month. This is termed as net-metering and TNB has agreed in principle with this arrangement of net billing.

According to a report on IEA (International Energy Agency) PVPS (Photovoltaic Power Systems) Trends 2007, grid-connected PV applications dominated in the OECD (Organisation for Economic Co-operation and Development) countries (about 94 % of the 2007 market) but the largely unsubsidised off-grid markets continued to grow worldwide, albeit less vigorously than the publicly funded grid-connected PV markets. The graph on the following page indicates the trend of proportion of grid-connected and off-grid PV applications for OECD countries from 1992 to 2007. Grid-connected PV applications gain dominance over the off-grid since year 2000.

By 2007, the total installed PV capacity for countries under OECD is 7,800 MW. Countries having the largest urban PV installations in houses are found in Germany, Japan and US. Germany alone contributed nearly 48% of the total installed PV capacity reported by IEA PVPS.

Solar PV systems for urban applications are normally incorporated into the buildings. For existing buildings, the solar PV systems can be retrofitted on to existing roofs. For new buildings, the solar PV can be integrated into the building without requiring secondary roofs. This is called building integrated photovoltaic (BIPV) system and such installations help to reduce material cost as PV acts as roof as well as generating electricity for the building owners.



The use of solar thermal system to heat water is common in Malaysia.



Solar-powered parking meters are a common sight in Malaysia.

SAMAJAYA

SAMAJAYA ELECTRICAL TRADING SDN BHD (839447-D)

22, Jalan Gandek, Off Jalan San Peng, 55200 Kuala Lumpur.

Tel: 603-9223 6818 (Hunting Line) Fax: 9223 7818

E-mail: enquiry@samajaya.com.my Website: www.samajaya.com.my

AGENT • DISTRIBUTOR • STOCKIST

Tel : 603-92236818 Fax : 603-92237818

Metal & Plastic DBs



Cable Support Systems



Cables & Wires



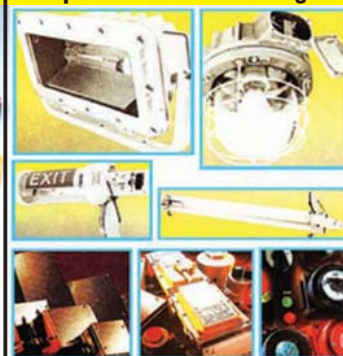
Capacitors



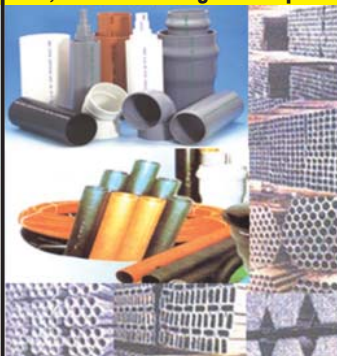
Rotary & Change Over Switches



Explosion Proof Fittings



GI, PVC & Corrugated Pipes



HV Switchgears



Test & Measuring Instruments



Lamps



Lighting Luminaires



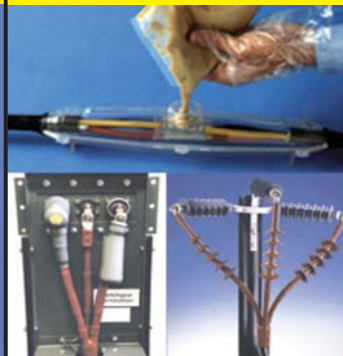
Lightning Conductor & Columns



LV Switchgears



Joint & Termination Kits



Electrical Accessories

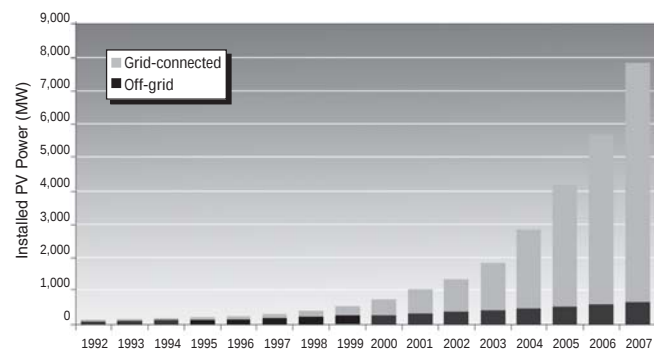


Electrical Accessories



CUSTOMER CARELINE : 1700 80 6818

Cumulative installed grid-connected and off-grid PV power in the reporting countries – Year 1992-2007



Source: IEA PVPS Trends Report 2007.

PV Financial Incentives in Malaysia

Although Malaysia is blessed with abundant sunlight, the use of solar photovoltaic is still very minimal. One of the barriers is the high capital investment required for solar PV systems. The range of unit cost of solar PV system is RM24,000 - RM28,000 per kWp. For a bungalow, the recommended PV capacity is on average 5 kWp which means the capital investment is RM120,000 – RM140,000. If a house is energy efficient, then the portion of PV electricity generated for the same 5 kWp will contribute more significantly to the household electricity demand. For larger installations (say in commercial buildings), the economies of scale will bring the average cost of solar PV system to as low as RM23,000 per kWp (> 70 kWp).

Under the 9th Malaysia Plan, Malaysia Building Integrated Photovoltaic (MBIPV) Project was launched to promote widespread use of solar PV systems in the urban area. The characteristics of renewable energies often involved high capital investment cost with minimal running cost. Solar PV is the prima donna of renewable energies. The cost of solar PV has dropped by more than 50% from 2000 to 2006. The prices of solar PV will continue to drop when the market achieves economics of scale. The strategy for bringing the price of solar PV down is therefore to create a market but unless the price drops, the market is unlikely to move. This creates a chicken and egg situation and the only way to break the deadlock is for government to intervene.

Under the MBIPV Project, we have several capital financial incentives available to the public. They are the SURIA 1000, demonstration and SURIA for Developers. Detailed information regarding each incentive can be found in <http://www.mbipv.net.my/>. The incentives are in the forms of direct discounts to members of the public.

To apply for any of the PV financial incentive

Quality of PV installation is very important to MBIPV Project. For this reason, the financial incentives will only be awarded to those applications who applied through the Approved PV Service Provider. You can find the list of these approved PV service providers from <http://www.mbipv.net.my/APVPS.html>. The Approved PV Service Provider provides a one-stop service who will advise and provide quotation based on agreed design of the PV system. They are also familiar with the incentives administered by MBIPV Project.

Other government incentive to encourage the use of PV

The recent Budget 2009 announcement has extended import duty and sales tax exemption on PV systems to PV system importers and PV service providers approved by Suruhanjaya Tenaga, for products they import for supply to their clients. Commercial applications can continue to claim Investment Tax Allowance (ITA) in addition to the normal



Commercial rooftop application of BIPV, Putrajaya.



Domestic application of PV retrofitted over existing roof.

Capital Allowance (CA) on investment as was approved under Budget 2008. Please visit <http://www.mbipv.net.my/C3GI.html> for more information on these incentives.

Why BIPV homes?

A survey was carried out in Malaysia to find out the reasons why building owners install

solar PV systems in their house/office buildings. The survey showed that these owners do so for the following reasons:

- Leverage on existing government incentives for solar PV;
- For retirees, having a BIPV house will help to hedge against future electricity price increase;
- Environmental conscious;
- For home buyers, having a BIPV house will help create a point of differentiation by being a clean micro IPP (independent power producer);
- For commercial entities, the installation of PV systems in the buildings help create an image of social responsibility.

The Way Forward

In countries where solar PV have flourished (eg Germany, Spain, South Korea), their governments have conducive PV policies which stimulates the market to develop. One of such proven and effective PV policies is the feed-in tariff in which the solar PV owner is able to sell PV electricity to the utility at a much higher rate than the utility is selling to the people. Effectively, the solar PV system's owner is able to recover his/her investment in solar PV in a much shorter time frame. In Malaysia, the Ministry of Energy, Water and Communications is studying into the possibility of adopting feed-in tariff for the use of renewable energies (RE). This is one of the strategies to mitigate the energy crisis issue which country will one day face. The secondary issue is to mitigate climate change through carbon reduction in the use of RE.

Ms Chen Wei-Nee is the Technical Adviser (Strategic Communications) of MBIPV Project at Pusat Tenaga Malaysia. She can be contacted at weinee@mbipv.net.my. To gain a better insight to solar PV, please visit www.mbipv.net.my.



Contactor




T - Range Contactors : Current Rating: 9A to 95A
4 KW to 45 KW10 Rating Options



Contactor




F - Range Contactors 115A thru 780A
59 KW to 425 KW..... 10 Rating Options



Contactor



Capacitor Duty Contactors : 10KVAR thru 60 KVAR



Overload Relays



TR 2 Relays

- Standards : IS 13947-4-1-1993
- Certification : UL, CSA, CE Marking, CPRI
- Range : Direct operated 0.1A thru 93 A
...24 options...Class 10 protection



Push Buttons & Pilot Lights



Full Range of ϕ 22 mm Control & Signaling Units

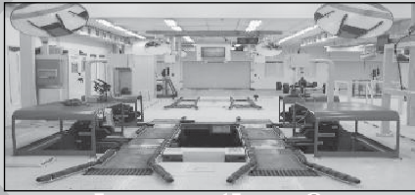


Overload Relays

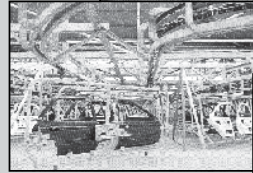
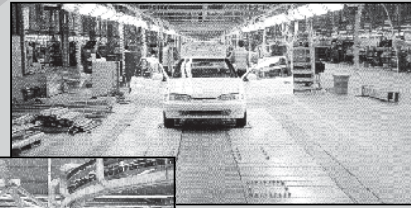
LR 1 D & LR 1 F Relays



- Standards : IS 13947-4-1-1993
- Certification : UL, CE Marking; CPRI
- Range : Direct operated 0.1A thru 80A
... 22 options...Class 10 Protection
CT operated 65A thru 1000A
...11 options... Class 10 Protection

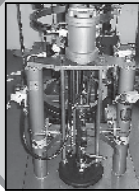


**Inspection &
Testing Equipment**



Conveyor Systems

**Sealant
Systems**



KEU CONTROL ENGINEERING SDN. BHD. (228981-D)

NO 1 & 3, JALAN JASMINE 4, SEKSYEN BB 10, KAWASAN PERINDUSTRIAN
BUKIT BERUNTUNG, MUKIM SERENDAH, 48300 RAWANG,
SELANGOR DARUL EHSAN, WEST MALAYSIA.

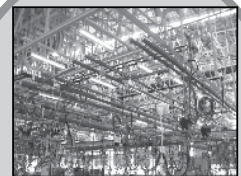
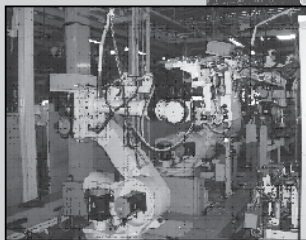
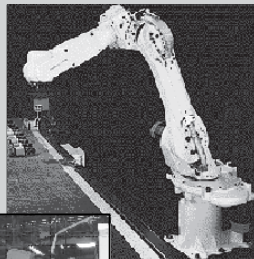
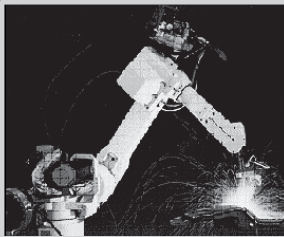
Tel: 603-60281648 Fax: 603-60284648

Website: www.keugroup.com

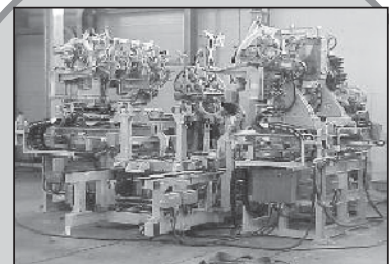


HUMAN DYNAMISM towards
>>> TECHNOLOGICAL INNOVATION

**Industrial
Robotics Systems**



**Mechanical &
Electrical**



**Jigs & Fixtures
Sytems**

GELPAG AMS full range metal-clad switchgear is developed by GELPAG GmbH Germany and is the result of Sino-German modern switchgear technology in response to international standards under endeavor made by both experts from GELPAG GmbH Germany and Xiamen Huadian Switchgear Co.,Ltd.. GELPAG AMS is the state-of-the-art, three phase AC, metal-clad, air insulated and indoor switchgear which is equipped with the most advanced cassette type of withdrawable VEP embedded pole vacuum circuit breaker for service voltage of 11KV, 22KV and 33KV

GELPAG AMS series metal-clad switchgear & VEP circuit breaker are fully type tested at IPH (Germany), an accredited laboratory by ASTA (UK) in accordance to the following international standard:-

- ▶ IEC 62271-100 & 200
- ▶ GB/T11022
- ▶ GB3906
- ▶ DL/T404
- ▶ IEC 62271-1
- ▶ DIN and VDE standards



Principal Manufacturer:



GELPAG Gesellschaft für elektrotechnische Produkte und Anlagen mbH Industrie Straße 2 D-64653 Lorsch/Germany
Tel : +49(0)6251 594-0
Fax : +49(0)6251 594-50
E-mail : info@gelpag.de
http://www..gelpag.com

Licensed Manufacturer:



GELPAG SWITCHGEAR SDN. BHD (656492-T)
5, Jalan Pemberita U1/49,
Temasya Industrial Park, Glenmarie,
40150 Shah Alam, Selangor.
Tel : +603-5569 4990 Fax : +603-5569 4090
Email : cmtan@alphakl.com

Exclusive Distributor:



ABLECON ENGINEERING SDN. BHD. (423504-T)
5, Jalan Pemberita U1/49,
Temasya Industrial Park, Glenmarie,
40150 Shah Alam, Selangor.
Tel : +603-5569 4990 Fax : +603-5569 4090
Email : kyleong@alphakl.com

Popular Chinese Herbs and Tonic Products

This article is extracted with courtesy of "Health Discovery" magazine published by Life Publishers Berhad.

Hai Dai (Sea Weed)

A type of broad-leaf sea weed. Literally meaning the 'belts in the sea'. This sea weed is common in the sea of China. It is rich in Iodine and protein, with the functions of ridding excessive water in the body. It is available in the market in the dried form.



Food for thought: Fried Hai Dai



Soak the dried Hai Dai overnight until it is soft. Dip it in wheat flour paste (flavoured with eggs and salt) and deep fried over slow heat. A tasty titbit which helps to reduce high blood pressure.

Bird's nest

The preciousness of the bird's nest need no elaboration. The nest of saliva of certain species of coastal swifts found in Southeast Asia, it comes in the form of many grades of product in the market, with markedly different prices. It is good for those with a weak constitution, and those suffering from respiratory problems. It is believed to do wonders to the complexion too.

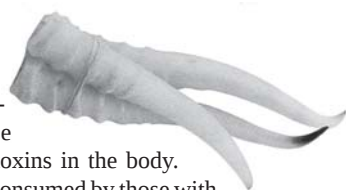


Food for thought: Bird's nest soup

Double boil bird's nest in minimal amount of water for three hours. Add rock sugar to taste. Some red dates can be added to enhance the flavour.

Antelope's horn

Taken from the antelopes in north-western China. It reduces the internal heat, and helps remove toxins in the body. However, it is not advisable to be consumed by those with heart, kidney and liver problems.



Food for thought: Antelope's horn soup

Double boil antelope's horn (in the form of shreds) and lean meat for three hours. Add salt and red dates to taste.

Celery

The culinary goodness of the herb (or vegetable) is well established. As a medicine, however, its efficacy is less known.

The goodness: Beside improving the blood circulation, it can strengthen the stomach and get rid of the 'wind' in the digestive system.



Food for thought: Add some to your normal food or salad regularly to enjoy its goodness.

Cordyceps

This herb carries a very interesting Chinese name, literally meaning 'Winter Worm Summer Grass'.



Biologically, it is the remain of a type of moth caterpillars which are the home of a type of parasitic fungus during the Winter. When the caterpillars die in Summer, the body will be overtaken by the parasites and transformed into a root-like structure, as sold in the medicine shop.

The goodness: Strengthening of body systems and pacifying the mind, besides benefiting the respiratory and digestive organs.

Food for thought: Cordyceps and chicken soup

First double-boil the deskinning chicken meat, for at least two hours. Remove the meat and add in Cordyceps. Double-boil for another two hours. An excellent and tasty soup to improve the mental state.

Lingzhi (Ganoderma)

Once considered a mystical herb accessible only to the heavenly beings or to the very few privileged people, this herb is now widely cultivated. Its efficacies have been proven beyond doubts by clinical studies.



A rare fungus, it has a rich composition of soluble proteins, amino acids, organic acids, glucose and polysaccharides, alkaloids which made it one of the most popular Chinese herbs today.

The goodness: Strengthening of body constitution, improve digestion, reduce fatigue, insomnia, indigestion and respiratory irregularity.

Food for thought: The lingzhi can be stewed with pig lung slices, with the addition of some ginger and dried dates to enhance the taste. Good for strengthening the respiratory system.

Du Jiao Jin

Grown well in temperate countries, this herb is harvested in Summer when it is mature and its medicinal value strongest.



The goodness: Contain a rich amount of amino acids and organic acids which are good for relieving heat and thirst. Also harmonising the liver, pancreas and kidneys. An appetiser for growing children.

Food for thought: Du Jiao Jin fish porridge

For improving children's appetite, this porridge can be prepared by the normal way.



FULBAN SDN BHD

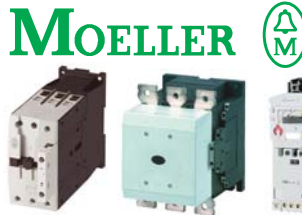
(278027-T)

KL Branch :
No.3, Jalan 4/89B, Kawasan Perindustrian Trisegi,
Batu 3 1/2, Jalan Sungai Besi, 57100 Kuala Lumpur.
Tel : 603-79842389
Fax : 603-79842368/9
E-mail: fulban01@streamyx.com

Kuching Branch :
Lot P3-G-2B, Jalan Tabuan, Chonglin Park, 93200
Kuching
Tel : 082-230629
Fax : 082-233628



WE ARE YOUR ONE SOURCE SUPPLIER IMPORTER, DISTRIBUTOR & STOCKIST



Switchboard - all type Switchboard components



Electrical Equipment for
Hazardous Areas



Industrial Electrical
Products



Electrical Wiring Products

Electrical Installations & Wiring Accessories



Cable Glands



UPS, Battery Charger
Batteries



Power & Control Cables



Ex-Fittings, Panel & DBs



Explosion Protected
Products



Toshiba Lamps



Philips
Fluorescent tubes, Bulbs
Son ballast, Sodium lamp



Connector for electrical
construction and maintenance



Drycell batteries



Draka Cables



Siemens Motors /
Drives



Bussman Fuses



Pharos Marine Navigation
AIDS, etc...



Multimeter /
Combo Kit

..... Continue Popular Chinese Herbs and Tonic Products

Fermented bean

Fermented from soy beans, it is available in two forms - the salted form as a food flavour, and the non-salted one to be used as a medicine. Beside being rich in nutrients, it helps reducing internal heat and freshens up a person's mood.



Food for thought: Steamed fish with fermented beans

Fried fermented beans, meshed garlic and ginger over slow heat. Spread them over a fresh fish. Steam until done. Add sauce, sugar and wine to taste. A delicacy which helps to improve your mood.

Black Bean

A common food among the Chinese, the black bean is available in grocery stores as well as the medical outlets. Like other seeds, it is rich in minerals, especially iron. The black bean is a convenient way to improve the circulatory system and general healthcare.



Food for thought: Black bean and black chicken soup

Slow boil black bean and black chicken meat for three hours. Add black dates and salt to taste. A delicious family soup (dark colour) to improve general health.

Pu Gong Ying (Dandelion)

It is beneficial to the gall and stomach, other than being a blood cleansing agent and an effective suppressant of inflammation.



Food for thought: Dandelion tea

Boil dandelion and add minimal amount of rock sugar to enhance the taste. Drink frequently for blood cleansing and strengthening the excretion system.

Lalang Root

Lalang is found throughout the world, including Malaysia. Its root, taken raw, is sweet. Once dried, it is a cheap and tasty herb for the preparation of 'cooling drink' to quench the internal heat.



The goodness: **Heat dissipating, improve blood clotting (healing) and urination.**

Food for thought: A good heat quenching family drink can be prepared by boiling dried Lalang Root alone (add some rock sugar to enhance the taste), or boil with sugar cane (the thin type) for 2-3 hours.

Green bean

Another favourite bean consumed by the Chinese, it contains a rich amount of carbohydrates, proteins and many vitamins and minerals. It has the properties of removing toxins and helps lower blood pressure.



Food for thought: Green bean paste

Soak green bean and Hai Dai (a type of seaweed) for several hours until soft. Boil mixture in water over high heat followed by medium heat until the beans burst. Add rock sugar to taste.

Qi Zi (Chinese Wolfberry)

One of the most common ingredients in culinary and medical food preparation among the Chinese, the relatively cheap herb is both tasty and nutritional. The dried form of the fruits is rich in minerals and it has the benefits of lowering the blood sugar and blood pressure, besides strengthening the visions. The dried fruits can be eaten fresh from the packets.



Food for thought: Qi Zi meat soup

Slow boil a handful of Qi Zi, lean meat and old cucumber (the brownish type) for three hours. Add some dried oyster and salt to taste. A family soup that improves general health, especially the eyesight.

Almond seeds (northern and southern varieties)

They are actually the kernels of the almond seeds. The northern variety is slight bitter and the southern variety slightly sweet. Both are rich in proteins and nutrients. Their extract is currently used for food preparations and medical applications, especially for treating coughs.



Food for thought: Almond seeds and lung soup

Boil lung until it is hardened. Cut into thin slices and boil with crushed almond seeds for two hours. Add ginger and salt to taste. Good for improving the respiratory system and treating existing lung problems.

Qian Shi

Found in China, India and Korea, this plant which belongs to the lotus family grows easily in marshes. Its seeds are used, and it contains a high level of carbohydrates, proteins, fats and vitamins. It strengthens the digestive system, especially the pancreas, and is beneficial to the excretory organs. Can be consumed regularly for general healthcare.



Food for thought: Qian Shi fish soup

Boil whole fish and Qian Shi for one hour. Add ginger and pepper to enhance the taste. Salt to taste. Good for the brain and physique.

Yi Mi (or Yi Ren)

In Malaysia, this herb is commonly called 'barley' as in the case of 'barley water' served in the restaurants. Its real name is 'the seed of job's tear', a type of cereal of high nutritional value, such as vitamin B and amino acids. It is a very common herb to treat urine problem, such as when its colour is too yellowish, and need to be normalised to light yellow. Besides being a diuretic, it also benefits the stomach and cancer patients.

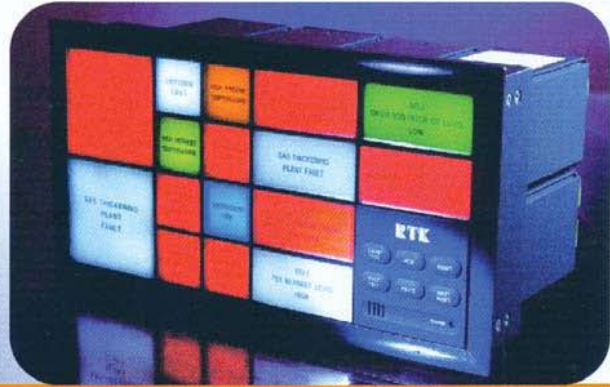


Food for thought: Yi Mi sweetened wax gourd soup

Boil Yi Mi, sweetened dried wax gourd (available in packets in grocery stores and medical shops) for one hour. Add rock sugar to taste. Stir an egg into the soup and ready to serve while hot.



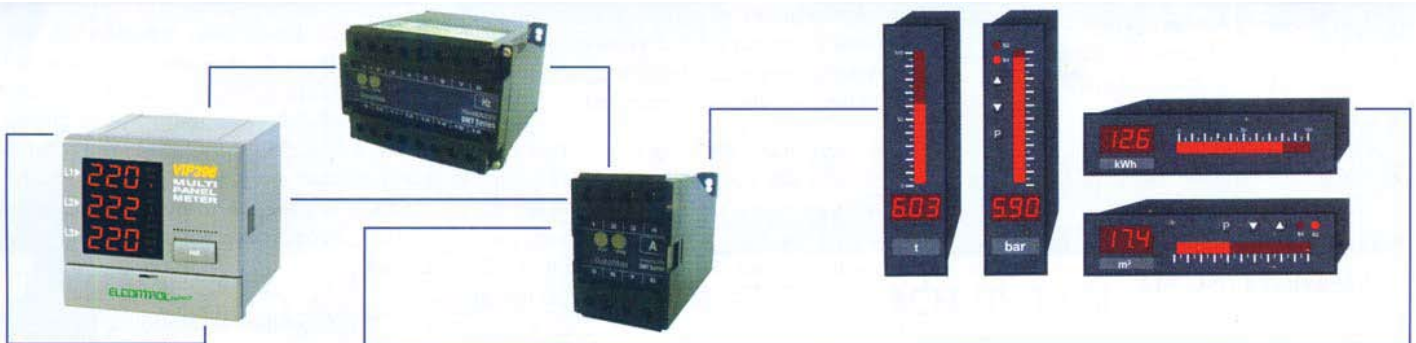
Your Electrical Instruments Partners



Synergy Instrumentation Sdn. Bhd. offers a comprehensive package of excellent consultancy, support service and state of the art electrical components to cater for all your electrical needs.

- Electrical Measuring Instruments
- Electrical Network Analyzers
- Process Controllers and Displays
- Portable Measuring Instruments and Testers
- Power Supply and AC/DC Converters
- Alarm Annunciators
- Other Switchgear Component

Our highly skilled professional staff have years of extensive experience in the field and are ready to provide speedy response to any query and requirements set by our clients.



We have establish a strategic relationship with various world renowned brands such as :



- D-Master Multifunctional Power Meter, Power Transducer, Analogue/Digital Panel Meters, Signal Isolators/Transmitters



- Lon-Works Protocol Power Meters



- Digital / Bargraph Panel Meters



- Temperature & Motor Load Controller/Relays



- Alarm Annunciators



- Fault Indicators/Flat Relays



- LED Semaphore Indicators



- Power Quality Analysers, Utility Grade Power Meters



- Marine Panel Meters, Power Transducer, Multifunctional Power Meters, Mechanical & Static Energy Meters



- Electrical Multifunctional Analysers



- Metasys N2 Protocol
- Three-Phase Network Analysers



SYNERGY INSTRUMENTATION SDN BHD

(Co. No. 562933-P)

No. 38, Jalan Tambur 33/19, Seksyen 33,
Shah Alam Technology Park,
40400 Shah Alam, Selangor, Malaysia.

Tel: +603-5124 7730 Fax: +603-5124 7103

E-mail: sales@synergy-inst.com

www.synergy-inst.com

A GOOD ELECTRICAL CONNECTION BEGINS WITH THE CONNECTOR

Malaysian Standard MS 1540:2002



SPECIFICATION FOR THE MATERIAL, MARKING AND DIMENSIONS OF CRIMP TYPE CABLE LUGS FOR USE WITH COPPER CONDUCTORS IN LOW VOLTAGE APPLICATIONS

Importance of using Cable Lug compliant with MS 1540:2002

- To prevent joints and terminations from overheating which will cause **power loss** and even **high risk to fire**
- To prevent inferior, sub-standard and questionable quality cable lugs to be used in the electrical installation
- To have standardized cable lugs to suite the crimping die
- Suitable for cable compliant with IEC 228

Technical Paper “Technique to Achieving Good Electrical Connection” - FREE ON REQUEST -



CONWAY BIMETAL LUG FOR ALUMINIUM WIRE

Tested to IEC 1238-1:1998

Size: 16mm² to 1,000mm²

Compliant to TNB Specification



CK-10
1.5 to 10mm²



CH-630 Hydraulic Indent Tool
Al. Ferrule & Bimetal 300mm² to 630mm²



Hydraulic Crimping Head
CP-120, CP-400, CP-630 & CP-1000



CH-240 Hydraulic Indent Tool
Al. Ferrule & Bimetal 16mm² to 240mm²



CK-16
1.5 to 16mm²



BC-150 Bar Cutter
Max. 10mm (thickness)
Max. 150mm (width)



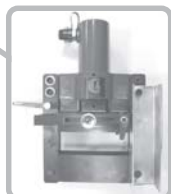
CP-630 Foot/Hand Pump
Max. Pressure:
700Bar/10,000p.s.i



EP-700 Electric Pump
Max. Pressure: 700Bar/10,000p.s.i



CH-60 Hole Puncher
Dies: 10.5, 13.5,
17.5 & 20.5mm



BB-150 Bar Bender
Max. 150mm (width)



HC-52 Hole Cutter
Dies: 16.8mm – 52mm



CC-630 Cable Cutter
Up to 630mm² Cu/Al
Stranded Cable



CONWAY TERMINALS MANUFACTURER SDN. BHD. (049613 U)

Lot 1298, Jalan Bukit Kemuning, 42450 Klang, Selangor, Malaysia

Tel: + 603-5122 1223/ 1068 Fax: + 603-5121 1109

E-mail: ctm@conway.com.my Website: www.conway.com.my

CONDUIT, CORRUGATED CONDUIT & CONDUIT FITTING

High Impact uPVC Conduit

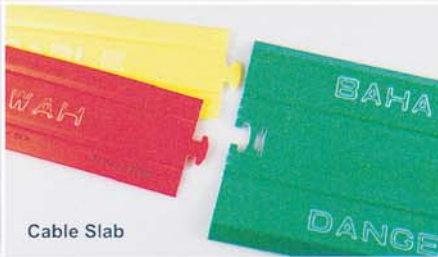


Conduit Fitting



Corrugated Conduit & Adaptor

Enclosure Box



Cable Slab



Round Duct

Modular & Mini Trunking



Bending Spring

SIRIM Tested Underfloor Ducting System



SAGA Underfloor Ducting System



MCB Box



NEW

Withstand
5 Tonnes Loading
SIRIM Tested

Earth Tape Clip

Heavy Duty
Earth Chamber

Your Reliable Manufacturer For Electrical Wiring System

SAGA
Heavy Duty

PVC-LINK
Symbol of Wiring

TND
Heavy Duty

WIREMAN

Mega

MP

Cyber

HERO

MEGAPOWER GROUP
SINCE 1990

Lot 1888, Jalan KPB 7, Kawasan Perindustrian Balakong, Bukit Belimbing, 43300 Seri Kembangan, Selangor, D.E., Malaysia
Tel: (6) 03-8962 3333 Fax: (6) 03-8962 2266 E-mail: enquiries@megapower.net.my Home Page: www.megapower.net.my

CONDUIT, CORRUGATED CONDUIT & CONDUIT FITTING



Your Reliable Manufacturer For Electrical Wiring System

SAGA
Heavy Duty

PVC-LINK
Symbol of Wiring

TND
Heavy Duty

WIREMAN

Mega

MP

Cyber

HERO

MEGAPOWER GROUP
SINCE 1990

Lot 1888, Jalan KPB 7, Kawasan Perindustrian Balakong, Bukit Belimbing, 43300 Seri Kembangan, Selangor, D.E., Malaysia
Tel: (6) 03-8962 3333 Fax: (6) 03-8962 2266 E-mail: enquiries@megapower.net.my Home Page: www.megapower.net.my



DIRIS[®] A

THE DEFINITIVE MULTI-FUNCTION METER



DIRIS A20 & A40

MADE TO MEASURE

A universal multi-function solution to optimise the measurement, control and management of your electrical installation...

> **EASY TO INSTALL:** Compact, Plug & Display modules, self test diagnostics function to check & correct wiring connections

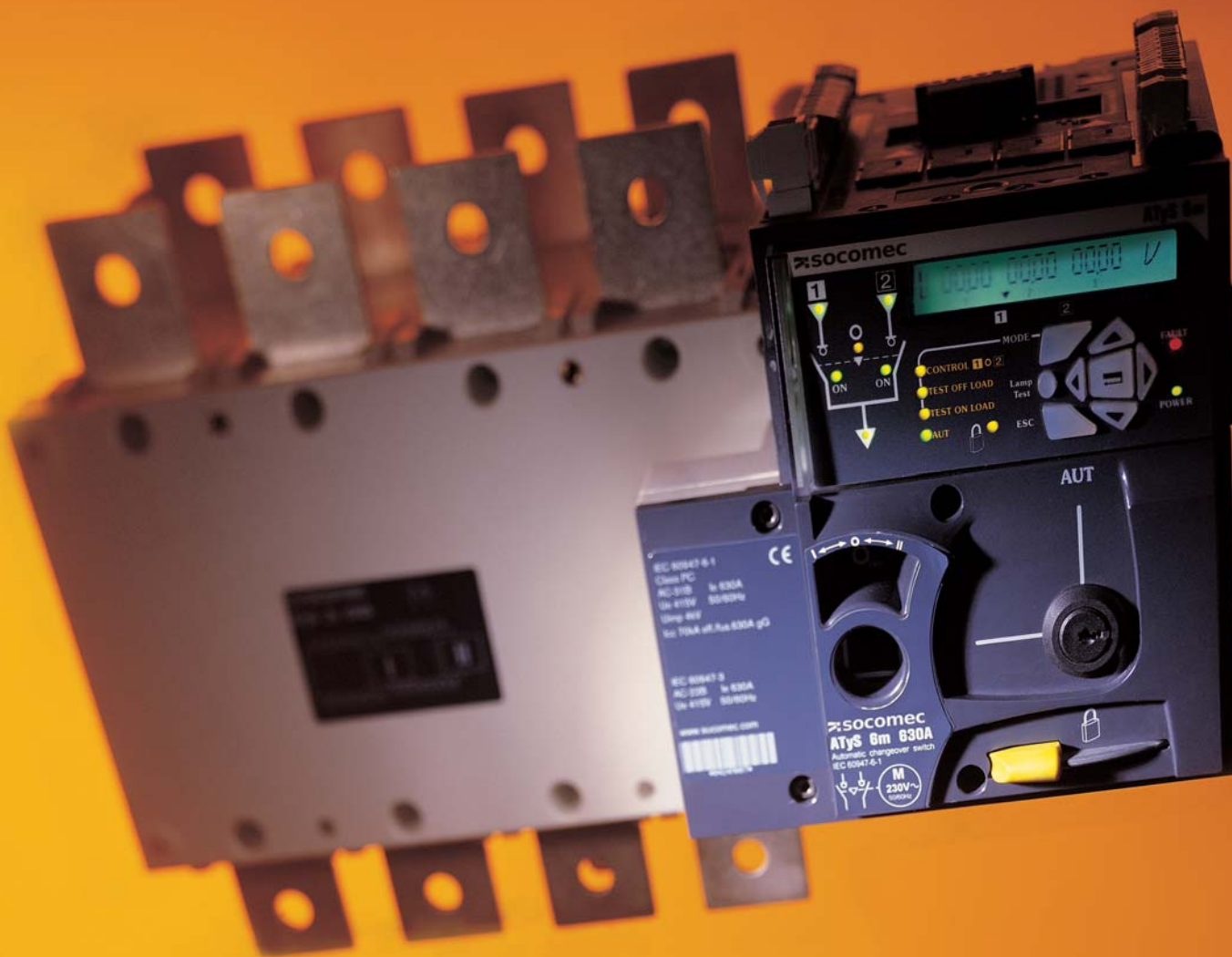
> **ACCURATE MEASUREMENT:** Enhanced quality and accuracy of measurements due to integration of a dedicated ASIC component

> **OPTIMISED VISIBILITY:** Large easy-to-read configurable backlit display

> **DIRECT ACCESS:** Large keys enable quick, direct access to all data required without the need to navigate through complicated menus

> **PLUG & DISPLAY:** Additional functions can be added retrospectively through optional add on modules





THE “PLUG & PLAY” AUTOMATIC TRANSFER SWITCH

IEC 947-6-1



ATyS

SWITCH TO
INNOVATION

Since inventing the compact “back to back” manual and motorised changeover switch concept that has become the world reference in power switching.

Socomec has once again innovated with the introduction of the **ATyS** range of **A**utomatic **T**ransfer **S**witches.

- > **MOTORISED CHANGEOVER:** two mechanically interlocked onload switch disconnectors
- > **MANUAL OPERATION:** for emergency backup or local control
- > **AUTOMATIC TRANSFER:** source control and changeover sequence command via an integrated electronic control module
- > **EASY TO INTEGRATE:** compact “back to back” design and dedicated accessories facilitate installation
- > **FLEXIBLE UPGRADEABILITY:** through add on plug and play modules

CONTROLS
SWITCHGEAR

socomec
Innovative Power Solutions

MAXGUARD



 Suruhanjaya Tenaga

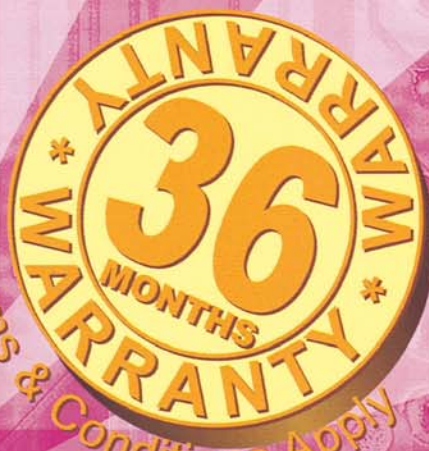
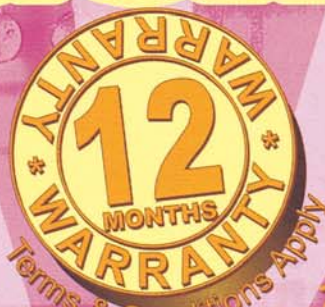


Approved for
Government Projects

 Intertek Testing Services
ETL SEMKO



WHAT ARE THE ADVANTAGES OF USING **MAXGUARD?**



Others may claim, but only
MAXGUARD
puts it in Black & White

100% Genuine Parts

Proven Track Record

Since 1998 we have sold more than
800,000 RCCB & 10,000,000 poles of MCB

MCB, RCCB, RCBO & Switchfuse with
Sirim Safety Labels

if it's not good, we don't sell it

if it's not perfect, we replace it

if it's not guarantee, it's not MAXGUARD

MCB, RCCB, MCCB are Fully Type-tested by
ETL SEMKO (Sweden)

We're not the best & we're not the cheapest.
But our **QUALITY** products
are the most competitive in the market.

**12 ~ 60
Months Warranty**
against manufacturers defects
refer to relevant products

MCB, RCCB & Switchfuse with
Suruhanjaya Tenaga Approval

MCB, RCCB, MCCB with
**CB & Products Safety
Certificates**
by ETL SEMKO (Sweden)

MAXGUARD products
**Meet Customer's Requirements
& Fits Their Budgets.**

** Terms and conditions apply

For peace of mind get 

Only we guarantees the above entitlements should you encounter problems with your
MAXGUARD products. Recognised at any of our authorised distributor centres across Malaysia.

Maxguard Switchgear Sdn. Bhd.

(Formerly known as Flexicon Marketing Sdn. Bhd.)

No. 48, 50 & 52, Jalan Tambur 33/19, Sek. 33. 40400 Shah Alam, Selangor. Malaysia.

Tel: (603) 5121 2288 Fax: (603) 5121 2868. Email : flexicon@streamyx.com Website : <http://www.maxguard.com.my>



Electricals

Galvanised Iron Conduit & EMT Fittings

Brass & Copper Wiring & Earthing Accessories.



Devi Impex Sdn. Bhd.

B-2-4, Block B, Megan Avenue 1
189 Jalan Tun Razak
50400 Kuala Lumpur
Malaysia
Tel: +6-03-2166 3044
Fax: +6-03-2166 2453
Website: www.aglfittings.com

Contact Person: Mr R.S Agrawal
H/P: +6-012-201 4196
E-mail: rsa@aglfittings.com

1. READER SERVICE INFORMATION

For FREE Reader Service Information, please circle the page number below:

1	2	3	4	5	6	7	8	9	10	11	12	13	14	15	16	17	18	19	20	21	22	23	24
25	26	27	28	29	30	31	32	33	34	35	36	37	38	39	40	41	42	43	44	45	46	47	
48	49	50	51	52	53	54	55	56	57	58	59	60	62	63	64	65	66	67	68	69	70	71	
72	73	74	75	76	77	78	79	80	81	82	83	84	85	86	87	88	89	90	91	92	93	94	
95	96	97	98	99	100	IFC	IBC	OBC	CF														

IFC: Inside Front Cover, IBC: Inside Back Cover, OBC: Outside Back Cover, CF: Centre Fold.

Name: _____

Company Name: _____

Address: _____

City & Postal Code: _____

Tel: _____ Fax: _____ E-mail: _____

Sign Here: _____ Date: _____

Tick the box that describes your firm:

- ☐ Distributor, wholesaler, retailer agent
☐ Manufacturer
☐ Technical services
☐ Contractor
☐ Government, association, etc
☐ Other (please specify): _____

Please tick each product that you sell:

- ☐ Electrical products
☐ Hardware, tools, building products
☐ Home appliances, housewares
☐ Consumer electronics
☐ Industrial equipment

Tick number of employees

- ☐ 1-99 ☐ 100-499 ☐ 500-999 ☐ over 1,000

Dec' 08 / Jan' 09 Issue



2. ADVERTISEMENT BOOKING FORM FOR "SUARA TEEAM"

Colour

☐	Inside Front Cover	RM 1,500.00
☐	Outside Back Cover	RM 1,500.00
☐	Inside Back Cover	RM 1,300.00
☐	Centre Fold (2 pages)	RM 2,200.00
☐	Full Page	RM 900.00

Black & White

☐	Full Page	RM 450.00
☐	Half Page	RM 300.00
☐	Quarter Page	RM 200.00

Kindly tick in the relevant box. Please be informed that colour separation/film is to be supplied by the advertiser. If artwork is needed for black & white and colour advertisement, it will be charged separately.

Enclosed please find crossed cheque/bank draft for RM made in favour of "The Electrical and Electronics Association of Malaysia".

PLEASE TYPE OR PRINT

Name: _____

Company Name: _____

Address: _____

City & Postal Code: _____

Tel: _____ Fax: _____ E-mail: _____

Sign Here: _____ Date: _____

Dec' 08 / Jan' 09 Issue



3. MEMBERSHIP APPLICATION

Yes! I am interested to join as a member of The Electrical and Electronics Association of Malaysia.

	Entrance fee	Annual subscription
Company member	RM 200.00	RM 200.00
Individual member	RM 100.00	RM 100.00
Associate member	-	RM 240.00
(Foreign companies/individuals)		

Please send immediately application form to mecopies.

Note: Please do not send any money with this slip. Upon receipt of this slip, a membership application form will be sent to you.

PLEASE TYPE OR PRINT

Name: _____

Company Name: _____

Address: _____

City & Postal Code: _____ Country: _____

Tel: _____ Fax: _____ E-mail: _____

Sign Here: _____ Date: _____

Dec' 08 / Jan' 09 Issue

1. Use this form for free information.

We will request advertisers to furnish you with prompt information on those Reader Service Numbers you circle.

2. Advertisers are welcomed

Suara TEEAM is a good advertising medium to promote your products and services. Use the advertisement form to book a space.

3. Attention!

General Manager/Manager/Individual. Are you a member yet? If not, find out what you might miss. Just fill up this slip.

MAIL TODAY!

to the following address:

The Chairman, Publication & Documentation Sub-Committee:
The Electrical and Electronics Association of Malaysia
 No. 5-B, Jalan Gelugor,
 Off Jalan Kenanga,
 55200 Kuala Lumpur, Malaysia.

MEASURE UP TO GLOBAL STANDARDS



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



SIRIM



ECO-LABEL



SIRIM

OUR SERVICES

CERTIFICATION

- Quality Management Systems (ISO 9001, ISO/TS 16949, ISO 13485 and MS 1900)
 - Environmental Management System (ISO 14001)
- Occupational Health and Safety Management Systems (OHSAS 18001 and MS 1722)
 - Information Security Management System (ISO/IEC 27001)
 - Food Safety Management Systems (ISO 22000, HACCP, GMP)
- Forest Management • Chain of Custody • Social Accountability (SA 8000)
- Roundtable on Sustainable Palm Oil (RSPO) • Clean Development Mechanism
- Product Certification • Product Listing • Eco Labelling • Electromagnetic Compatibility
 - Communication Equipment • IECEE-CB Test Certificates
 - IT Service Management System

TESTING

- Chemical and Consumer • Electrical and Electronic • Civil and Construction
- Mechanical and Automotive • Electromagnetic Compatibility • Fire Protection
- Communication and Multimedia • IECEE Test Reports

ENGINEERING INSPECTION AND INSPECTION SERVICES



Contact Our Sales and Customer Service at:
603-5544 6400 or log on to www.sirim-qas.com.my

Block 8, SIRIM Complex, 1, Persiaran Dato' Menteri, P.O. Box 7035, 40911 Shah Alam, Selangor

QUALITY, SAFETY AND RELIABILITY

ACHIEVE NATIONAL & INTERNATIONAL RECOGNITION THROUGH OUR SERVICES

Advertisers Index

Company	Page	Company	Page
Ablecon Engineering Sdn Bhd	84	Megapower Group	62, 90, 91
Borneo Technical Co (M) Sdn Bhd	26	Mittrich Systems Sdn Bhd	14
Century Bonanza Sdn Bhd	2	MK Electric (M) Sdn Bhd	38
Chi-Tak Electrical (Sel) Sdn Bhd	4	Multi-B Sdn Bhd	70
Controls Handling Engineering Sdn Bhd	92, 93	OSRAM (Malaysia) Sdn Bhd	1
Conway Terminals Manufacturer Sdn Bhd	89	Pentapower (M) Sdn Bhd	36
Davis Malaysia Sdn Bhd	18	Powerwell Sdn Bhd	28
Décor Poles Sdn Bhd	8	Samajaya Electrical Trading Sdn Bhd	59, 80
Devi Impex Sdn Bhd	96	Schneider Electric Industries (Malaysia) Sdn Bhd	52
DPI Industries Sdn Bhd	66	Shaman Sdn Bhd	77
dpstar Thermo Control Electric Sdn Bhd	54	SIRIM QAS International Sdn Bhd	98
EIP Marketing Sdn Bhd	74	Speco Bumi Elektrik Sdn Bhd	29
EITA Technologies (M) Sdn Bhd	12	Stantric Sdn Bhd	32
Essentialcorp (M) Sdn Bhd	99	Striker Electric Sdn Bhd	60
Euro Electrical Sdn Bhd	42	Success Electronics & Transformer Manufacturer Sdn Bhd	56, 57
Fulban Sdn Bhd	86	Sumber Engineering Trading (M) Sdn Bhd	78
Fuseline Electric & Engineering Sdn Bhd	76	Sun Power Automation Sdn Bhd	IFC, 34
GE Consumer and Industrial	16	Syarikat See Wide Letrik Sdn Bhd	22
Hartawan Sensasi Sdn Bhd	82	Synergy Instrumentation Sdn Bhd	88
ITACS Pte Ltd	64	Thung Guan Electrical Machinery Sdn Bhd	44
JJ-Lapp Cable (M) Sdn Bhd	10	Time Era Sdn Bhd	40
KDK Fans (M) Sdn Bhd	6	Tonn Cable Sdn Bhd	CF
Kejuruteraan Letrik Teknik (M) Sdn Bhd	58	Toprank Corporation Sdn Bhd	IBC
KEU Control Engineering Sdn Bhd	83	Total Metering Solution Sdn Bhd	24, 30, 65
Kuasa Jati Sdn Bhd	68	Utama Switchgear Sdn Bhd	48
Lysaght Marketing Sdn Bhd	OBC	Wise Pro Sdn Bhd	72, 73
Malaysian Exhibition Services Sdn Bhd	100	Wong Electrical & Teak Wood Sdn Bhd	46
Master Tec Wire & Cable Sdn Bhd	20		
Maxguard Switchgear Sdn Bhd	94, 95		
Mega Mayang M&E Sdn Bhd	77		

Remarks : IFC-Inside Front Cover, IBC-Inside Back Cover,
OBC-Outside Back Cover, CF-Centre Fold.

ECM ESSENTIALCORP (M) SDN. BHD.



Load Profiling Monitoring System

It uses the CT clamps and bus-bar voltage clamp to tap on 11 kV substation (PE) and logging data for interval of 15 minutes for 24 hours duration. Essential data been recoded are phase voltages, phase currents and phase angles.

Through further analysis using Equalysis Software, all information required regarding an 11 kV substation can be deduced and presented.

Tested by TNB Engineering for functionality and currently been used
For monitoring TNB low voltage substation.



Fuse-switch Disconnector 160A-Brand: Fusetec

The Fusetec FH range fuse-switch disconnectors are fully insulated on-load switches which have been designed and manufactured in Malaysia for reliable use in low voltage overhead systems using either aerial bundled or bare overhead conductors. These switches are suitable for mounting directly onto transformers, poles or building facades.

Certified by SIRIM and CPRI India plus obtained Sijil Guna Pakai from TNB.



Earth Fault Indicator-EFI "Essentialtech"

Current transformer as a sensing element is attached to the monitored distribution cable. Thus current that occurred due to the earth fault is detected.

Certified by SIRIM and obtained Sijil Guna Pakai from TNB.

Main Office:

Essentialcorp (M) Sdn Bhd (396325-K)

No. 2, Jalan Saujana Indah 9, Taman Perindustrian Saujana Indah, 40000 Shah Alam, Selangor Darul Ehsan.

Tel: 603-7845 5099, 7845 9361/9362 Fax: 603-7845 9370 E-mail: esscorp@po.jaring.my Website: www.essen.com.my

ASEAN ELENEX2009

The 8th International Exhibition
of Transmission & Distribution
and Electrical Engineering
for the Asean region

15 - 18 JULY 2009
Kuala Lumpur Convention Centre
Malaysia

POWERING ASEAN'S FUTURE ENERGY DEMANDS



Supported By:



Hosted By:



Endorsed By:



Featuring:

**RENEWABLE
ENERGY**

Supporting Media Partners:



Alongside:



Held In Conjunction With:



Organised By:



www.aseanelenex.com

REPLY COUPON

- ☐ Please send me more information on exhibiting at **AE 2009**.
☐ Please send me more information on visiting **AE 2009**.

For further information, please call / fax to :

MALAYSIAN EXHIBITION SERVICES SDN BHD (58243-X)
Suite 1402, 14th Floor, Plaza Permata, Jalan Kampar,
Off Jalan Tun Razak, 50400 Kuala Lumpur, Malaysia.

Tel : +603 4041 0311

Fax : +603 4043 7241

E-Mail : enquiry@mesallworld.com

Ref: SUARA TEEAM

Name: _____

Position: _____

Company: _____

Address: _____

OR ATTACH YOUR BUSINESS CARD HERE

Tel: _____ Fax: _____

Mobile: _____ E-Mail: _____

Website: _____



Providing Sustainable Power Solutions

• Power EPCC Contractor • Transmission & Distribution • Control Automation • Service & Maintenance •



TOPRANK CORPORATION

No.1 JALAN SS23/11, TAMAN SEA 47400 PETALING JAYA, SELANGOR, MALAYSIA.

TEL: +603 7806 3888 FAX: +603 7806 3666

EMAIL: INFO@TOPRANKGROUP.COM WEBSITE: WWW.TOPRANKGROUP.COM



LYCORPOLE™

Customized Design
Antenna Pole
Oven Baked Powder
Coating with UV Resistant

Custom Made
Aesthetic
Antenna Pole

Customized
Monopole

Hot-Dip
Galvanized
Stadium Mast



Klang, Selangor



North Port, Klang, Selangor



JKAS, Bukit Mewah, Kajang, Selangor



Johore State New Admin Centre, Johore



LYSAGHT MARKETING SDN. BHD. (102382-M)

No. 11, Jalan Majistret U1/26, Seksyen U1, Hicom-Glenmarie Ind. Park, 40150 Shah Alam, P.O. Box No. 7818, 40728 Shah Alam, Selangor Darul Ehsan, Malaysia.

Tel: (603) 7880 3750 Fax: (603) 7880 3720 Email: lysaght_sales@lysaghtmarketing.com.my Website: www.lysaghtmarketing.com.my



Certificate No. 403332
A Member of Lysaght Galvanized Steel Bhd
Co. No. 46426-P

IPOH

Tel: (605) 546 8278
Fax: (605) 546 3589
Email: lysaght8@streamyx.com

SARAWAK

Tel: (082) 245 145
Fax: (082) 237 311

SABAH

Tel: (603) 7880 3750
Fax: (603) 7880 3720

SINGAPORE

Tel: (65) 6862 4331
Fax: (65) 6862 1242
Email: lysaght@singnet.com.sg