

Magnet News



June 2011

The official Newsletter from Magnet's Head Office

MEASURE YOUR ENERGY CONSUMPTION IN REAL-TIME

Power Star Energy Meter



WHAT IS A POWER STAR ENERGY METER?

- It is a meter which measures your energy consumption in real-time
- Translates energy metrics and technical data to commercial terms, cash and the environment
- Communicate wastage, consumption anomalies and excessive usage immediately
- Assesses your performance on an ongoing basis and hold managers and key personnel accountable
- Enterprise wide awareness and visibility

BASIC VIEWS AVAILABLE:

Statistics

Description	Usage	End Reading	End Date	Start Reading	Start Date
Consumption (kWh)	2 270.9	177 260	2010-02-09 18:13	173 689.1	2010-02-09 00:00
Demand (Total)(kVA)	159.4	250.5	2010-02-09 09:10	17.5	2010-02-09 00:00
Power (Total)(kW)	152.8	244.8	2010-02-09 09:10	16.7	2010-02-09 00:00
Reactive power (Total)(kVar)	34.8	59.5	2010-02-09 09:10	-5.1	2010-02-09 16:34
Power factor (Total)	0.973	1	2010-02-09 12:39	0.91	2010-02-09 00:00
Demand (S1)(kVA)	68.8	85.8	2010-02-09 11:18	56.9	2010-02-09 16:13
Demand (S2)(kVA)	66.4	83.3	2010-02-09 09:10	34.5	2010-02-09 16:34
Power (S1)(kW)	62.2	82	2010-02-09 09:10	24	2010-02-09 16:34
Power (S2)(kW)	47.7	84.4	2010-02-09 11:18	56.9	2010-02-09 16:13
Reactive power (S1)(kVar)	60	81.2	2010-02-09 09:10	34.5	2010-02-09 16:34
Reactive power (S2)(kVar)	64.5	80.6	2010-02-09 11:18	33.9	2010-02-09 16:34
Power factor (S1)	11.7	18.7	2010-02-09 09:10	-3	2010-02-09 16:34
Power factor (S2)	12.7	21.3	2010-02-09 09:10	-0.6	2010-02-09 17:02
Power factor (S3)	15.8	18.7	2010-02-09 09:10	-3	2010-02-09 16:34
Power factor (S4)	0.982	1	2010-02-09 16:39	-1	2010-02-09 16:00
Power factor (S5)	0.9790000000000001	1	2010-02-09 14:00	-1	2010-02-09 16:34
Voltage (V1)(V)	227.8	231.2	2010-02-09 14:41	221.7	2010-02-09 08:53
Voltage (V2)(V)	227.4	221.9	2010-02-09 14:41	221.6	2010-02-09 08:53
Current (I1)(A)	265.8	277.2	2010-02-09 11:18	250.6	2010-02-09 16:34
Current (I2)(A)	294.9	269	2010-02-09 16:34	239.1	2010-02-09 16:34
Current (I3)(A)	250.9	262.2	2010-02-09 11:18	237.1	2010-02-09 16:34
Frequency	60	60.3	2010-02-09 14:41	60	2010-02-09 16:34

Status 2010/02/09 18:07

Consumption (kWh)	Demand (kVA)	Power Factor
18 295	987.5	0.983
-4.8 % ↓	-1.9 % ↓	-0 % ↑

Last update: 2010/2/9 18:9:16

Month to Date

	This Month	Last Month	%
Consumption (kWh)	183 617	100 750	82.2% ↑
Peak demand (30 min) (kVA)	1 247.7	799.6	56% ↑
Cost (R)	119 027	71 139	67.3% ↑

Events & Alerts

- undefined

Live Performance vs. Typical or Target

Detailed phase statistics on Demand, Power, Reactive Power, Power Factor, Voltage, Current & Frequency

Month-to-date Cost and performance analysis

BENEFITS OF A POWER STAR DEPLOYMENTS VS. OTHER?

- Independent Class 1 Metering
- Independent of on site network and IT infrastructure
- Fully hosted and managed solution
- No proprietary software, all data available in standard web browser
- Ease of deployment, as close as possible to “plug and play” solution
- Rapid and low cost deployment
- Server side product development

FOR FURTHER INFORMATION:

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NEW LAUNCH

Eskom's Standard Product Offer

Eskom has just launched “Standard product” whereby Eskom will subsidise Lighting Projects which qualify for savings from 1 kilowatt to 100 kilowatts. With a simple Eskom contract signed, you could qualify for up to 85% of the lighting upgrade cost and experience a substantial reduction in your monthly Electricity bill.

Standard Product Example:

Tariff Type:
Business & General @ 84c/kWh

LIGHTS SWITCHED ON:

50 weeks/year @ 5.5 days/week @ 12hours/day

EXISTING LIGHTING:

30 x 400W High Bay (Mercury Vapour)

PROPOSED FITTING:

30 x 4x58W Fluorescent High Bay

TOTAL PROJECT COSTS:

R 33 000.00

ESKOM CONTRIBUTION:

R 21 865.00

CUSTOMER CONTRIBUTION:

R 11 315.00

MONTHLY SAVINGS:

R 1 485.00

RETURN ON INVESTMENT:

7 months

Standard Product Guide:

Pre Qualification:

- Customers electricity bills must be paid-up
- Customer must provide a valid tax clearance certificate before Eskom's payment

Toolkit Guide:

- Criteria and Particulars
 - Savings 1kW to 100kW
 - The maximum Standard Product Rebate is R 750 000
 - Eskom rebates will be limited to (i) 85% Actual Costs or (ii) Eskom Toolkit Software Rebate
- No project splitting allowed, only 1 project per metered site
- Eskom pays customer a rebate based on standard technologies, energy savings, load factor, on completion and after disposal of old technologies
- Eskom will only pay rebates to owner of premises or end users
- Standard Product projects will be managed & monitored at regional level (Eskom)
- A simple Eskom contract will need to be signed
- Customer responsible for the disposal of the old material



* Terms and Conditions apply

** Dependent on your Electricity Service Provider

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PETRO CHEMICAL ROADSHOW

Magnet partook in the Annual Petro Chemical Roadshow in Sasolburg. Representing Magnet were Brian Howarth (Managing Director) and David Lugube (Project Engineer).



NEW OFFER!

industrial inter-locking flooring

Designed to meet industrial needs, Dimple Floor Tiles are robust 7.5mm in thickness, which is essential for heavy-duty flooring applications.

With toughness and superior quality on their side, these tiles are also geared for long-term use, ensuring the best return on your investment. The industrial sector can be hard on a floor. Constant traffic and heavy machinery means that your flooring solution will have to endure a pounding. Luckily though, inter-locking tiles are made with only the strongest materials and make use of the newest manufacturing techniques. So you can be sure that you get the best possible industrial floor that won't crack under pressure.

FEATURES AND BENEFITS:

- Little or no floor preparation required
- Covers crumbling or cracking floors
- Little to no down-time during installation
- Easy to maintain
- Quick and easy to install
- High resistance to heavy-duty traffic
- Damaged tiles are easily replaced
- Water resistant
- No glue required
- Fire-resistant
- Anti-static
- Non-slip surface
- Can be lifted and re-laid

PRODUCT SPECS:

Tile size: 333 x 333mm (9 tiles per m2)
 Tile thickness: 7.5mm
 Packed: 2/m2 per bundle
 Bundle weight:
 Industrial duty: 21.6kg per 2 m2
 Standard duty: 13.5kg per 2 m2
 Bundle size: 344 x 344 x 135mm
 Colours: Variety
 Available in Dimple out or Dimple in



TYPICAL APPLICATION

- High traffic area
- Dust free environments
- Exhibition Centres
- Auto service areas
- Covered moisture areas
- Electronic workshops
- Covers cracking or crumbling problematic floor surfaces
- Used extensively by Panel Beaters & the Motor Industry
- High traffic area
- Factories
- Show rooms
- Gyms
- Control rooms
- Garages
- Offices
- Warehouses
- Assembly plants

100% recyclable



FOR FURTHER INFORMATION:

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CUTS THROUGH STEEL LIKE BUTTER



581C Resin Fibre Discs



Applications:

- Grinding and finishing weld seams, containers, machine parts
- Steel construction
- Industrial maintenance
- General sheet metal and workshop applications

Benefits:

- Good performance and a consistent quality finish at an economical price
- Conveniently packages with 50 discs on a reusable disc clamping system, for easy storage and retention of disc shape and form

use on all metals

FOR FURTHER INFORMATION:

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NOW OFFERING COST EFFECTIVE I.T. SOLUTIONS



Magnet has recently grown its product offer by opening a new Division - Magnet I.T. The department is headed up by Denver Nel, Magnet's highly skilled I.T. Manager, who is now able to extend his I.T. expertise to Magnet's client base.

SERVICES OFFERED:

- Domain hosting
- Website hosting
- POP Mailbox
- Mailserver Rental
- IMAP Mailbox

For further information contact:

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INTRODUCING - NEW MAGNET STAFF



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