

Sollatek NEWSLETTER

NEWS AND INFORMATION WINTER 2002 ISSUE NO.4

Unit 10, Poyle 14, Newlands Drive, Horton Road, Poyle, Slough, Berkshire SL3 0DX UK. Tel: +44 (0)1753 688300. Fax: +44 (0)1753 685306. E-mail: sales@sollatek.com www.sollatek.com



We are proud to announce the arrival of the new 'star' in the line of Sollatek products - The Sollatek Ultima UPS.

Sollatek introduces the new innovative Ultima UPS. a robust fully line interactive UPS system incorporating PowerMate™ software. The Ultima provides the most comprehensive and reliable source of back up computing power on the market today.

Continuous power is crucial in today's workplace to enable us to work efficiently and effectively with our computers. The new Ultima range enables all computer users to remain wholly productive - particularly in regions where power supply is constantly being affected by surges, power-cuts and utility failures. The busier and more complex our computer networks, the greater the risks are. Power failure causes productivity loss, which therefore means your company's performance and profitability could be adversely affected.

So what makes the Ultima different?

Widest stabilisation

The Ultima boasts the usual features of a 650VA Line-Interactive UPS (also available in 420VA and

280VA) and in addition, incorporates a very wide voltage stabiliser. The Ultima uses the now very successful stabiliser technology as used in the Sollatek SVS range. Ultima's stabilisation is among the widest in the industry. This means

“ The Ultima 650 will prove to be amongst the most reliable, efficient, price competitive option in its league ”

voltage fluctuations as high as 290V or as low as 165V can easily be managed by the Ultima which even at these extremes can continue to charge the batteries. The Ultima is therefore ideally suited to those parts of the world that experience these voltages on a regular basis.

The Ultima ensures that the battery is always fully charged, ready for that inevitable power cut.

Ultra fast battery charge

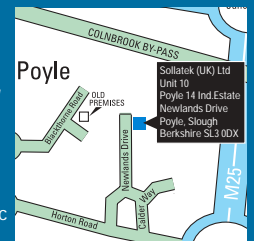
Frequent power cuts could mean that the UPS batteries never achieve full charge, and, come the next power cut, you could be left with only a fraction of the backup power. Ultima minimises this scenario by using unique technology to charge its internal battery at an extremely fast rate: 90% of the battery is charged within 90



Sollatek UK has moved

Sollatek (UK) Ltd are pleased to announce that on Sept 30th we re-located to new premises:

Unit 10, Poyle 14,
Newlands Drive,
Horton Road, Poyle,
Slough,
Berkshire SL3 0DX
UK



Telephone numbers etc remains the same.

minutes. This ensures you will always have backup power in case of power cuts.

'Cold-Start' feature

Furthermore, in power cuts, if the UPS or computer is turned off, Ultima's 'Cold-Start' feature enables you to power up the UPS in case you need to access your PC in an emergency.

User-settable sensitivity

Sollatek is aware of the diversity of the power quality. The Ultima packs a sensitivity setting that is user settable. Depending on where you are, you can increase or decrease the sensitivity of the way the Ultima reacts to power problems.

Ultima UPS article continues on page 7

In this issue

Sollatek AVS 13/15 Now improved with microprocessor control and lots more. [page 2](#)

New products A round-up of all our latest products and brief outline. [page 3](#)

Solar news Sollatek Solar continues to introduce innovative solutions for its clients, including our most important Solar launch to date: Glowstar. [page 4/5](#)

Guard range the complete range at-a-glance including the SpikeGuard [page 6](#)

Competition time Fill out our easy -looking crossword. Prizes to be won! [page 7](#)

Sales literature All our brochures etc are in PDF format for you to download from our site [page 8](#)

NEW PRODUCT FOCUS



surges commonly experienced after power is resumed in power cut situations. Spike and surge protection is also incorporated to ensure protection against common occurrences such as lightning, and the nearby switching on and off of other equipment such as vacuum cleaners, pumps, motors, TVs and elevators.

The AVS range includes the following new advanced features;

- Microprocessor control adding reliability advanced features and increased protection.
- User adjustable time delay.
- LEDs indicating over and under voltage conditions.
- Reset button that can also be used as a load on/off switch.
- TimeSave™-Intelligent time delay. TimeSave™ checks the duration of the off time. If the unit has been off for more than 3 minutes then the AVS will reconnect the mains within 30 seconds rather than the standard 3 minutes. This means the Sollatek AVS will give you more vital working time than any other switcher.

The AVS has been clothed in a new, robust and attractive body. Different models are available including three phase units.

For further information about the Sollatek AVS Range please contact our sales team on +44 (0) 1753 688300 or e-mail sales@sollatek.com

The New Sollatek AVS

Following on from our successful AVS (Automatic Voltage Switcher), we introduce the new and improved AVS range. By improving an already state of the art product, the AVS adds new advanced features.

How the AVS works

The Sollatek AVS protects and prolongs the useful life of day to day electrical items. It eliminates the need to switch off appliances every time the electricity fails, therefore safeguarding your valuable equipment at all times. The AVS provides very low cost protection in relation to the value of the appliance.

Simply plug the AVS into the mains and plug in your appliances. When the mains power supply fluctuates outside its pre-set tolerance (nominally 190V and 260V) the power to your equipment is disconnected. The AVS will monitor the voltage for a short period of time to ensure that power has stabilised before re-connecting. The start up delay provides protection against power back

MICROPROCESSOR
Provides stability and reliability.

PROVIDES COMPLETE PROTECTION AGAINST:

- ◆ Spikes
- ◆ Surges
- ◆ Lightning
- ◆ Over-voltage
- ◆ Under-voltage
- ◆ Power back surges
- ◆ Brown-outs
- ◆ Power cuts

100% COMPLETE PROTECTION
Constantly monitors and protects.

LOAD SWITCH
Allows switching the load ON or OFF from the AVS.

VARIABLE WAIT TIME
Fully user adjustable using dial control.

5 LEDs
constantly shows state of the mains supply.



A counterfeit AVS

Major case of fraud uncovered by Sollatek Kenya.

Chris Soper - MD of Sollatek Kenya - reports on a major case of fraud uncovered by Sollatek Kenya: Over the past year, Kenya has been flooded with counterfeit products from the Far East, particularly electrical and electronic items. They identified FridgeGuards and HivoltGuards identical to ours. Fortunately, the counterfeiters used our registered Trademarks. The Weights and Measures Dept of the government were called in, joined by the Income tax, VAT and Customs. They raided the importers warehouse and seized the goods as counterfeits.

The secret for stopping counterfeits is to make the

importers life as miserable as possible so that it is not worth the hassle to continue bringing in the copies. The second case was of identical AVS 13s discovered by chance when the government was raiding a warehouse looking for other goods, The importer was prosecuted and pleaded guilty. He was fined US\$1600 and the goods were seized. We are now in the process of having the counterfeit product destroyed.

ONLY SOLLATEK MANUFACTURE AND SELL THE GENUINE AND PATENTED AVS.

DO NOT ACCEPT INFERIOR COUNTERFEITS! If you are in any doubt whether you have purchased a genuine Sollatek product in the past year, call us now on +44 1753 688300 or email us at: sales@sollatek.com with the serial number and we'll be able to give you an answer in most cases.

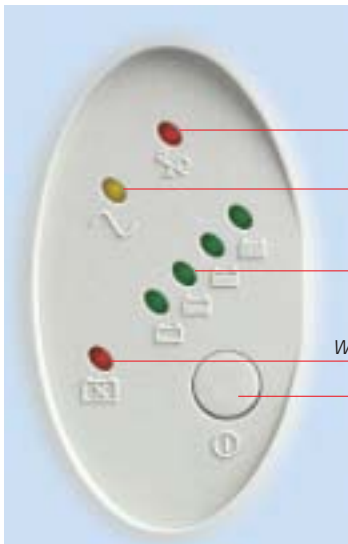
NEW PRODUCT FOCUS

Ultima UPS article continued from front



Unique PowerMate™ Software

And last but not least, Sollatek is the world's first UPS manufacturer to incorporate the unique feature of PowerMate™ Software into the Ultima. The PowerMate features all the usual facilities of a UPS power Management software, including RS-232 communications interface, automatic shut down of your PC and voltage monitoring and logging. But in addition, and unique to Sollatek, PowerMate, features audio reports that keep you informed of the UPS's activities – even when you're away from your desk. For example, if power is suddenly lost, you'll hear a voice advising you that all loads are now being powered by the UPS battery. You are also advised when power is resumed. You can experience this feature and listen to these audio reports by going to www.sollatek.com/powermate



Overload indicator

Power indicator

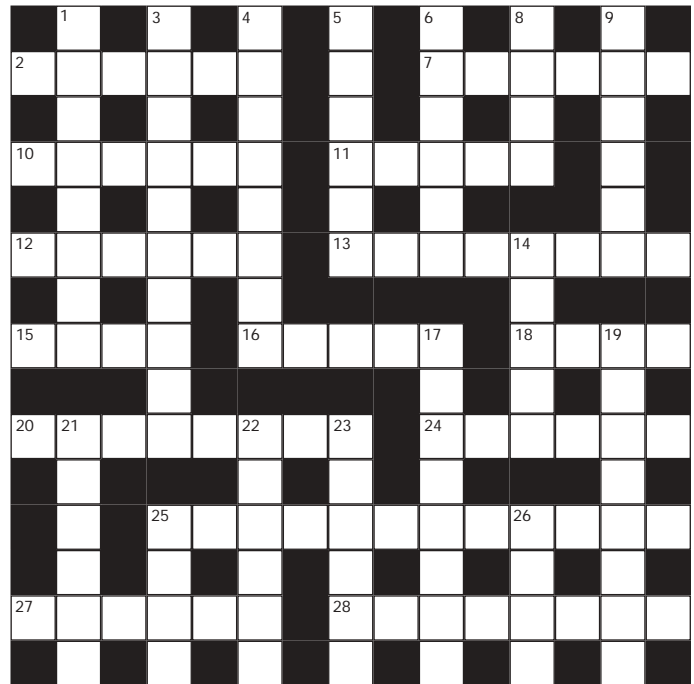
Battery level indicator

Weak/bad battery indicator

Operation button

Demonstrate your in-depth knowledge.

Complete our easy-looking crossword. We're giving away ten Sollatek watches to the first ten correct entrants.



Across

- 2 Bandage (6)
- 7 New Sollatek UPS range (6)
- 10 The output of 3 down (6)
- 11 A reserve of money (5)
- 12 Find them on the sea shore (6)
- 13 Exerts excess pressure (8)
- 15 Equips (4)
- 16 Electronic valve (5)
- 18 2.54cm (4)
- 20 Alienate (8)
- 24 Compact, battery operated, and can sit on your knees (6)
- 25 Protects your fridge and freezer (12)
- 27 Interrupt rudely (6)
- 28 To board on a train (8)

Down

- 1 Automatic voltage -----, a Sollatek invention in 1983 (8)
- 3 For constant supply (10)
- 4 Drove backwards (8)
- 5 Rise in voltage to thousands of volts in nanoseconds (6)
- 6 Small sailing ship or voltage protector (6)
- 8 Remain (4)
- 9 Drink (6)
- 14 Economise (5)
- 17 Slippery fish entrance. glee teas (anag) 4&4
- 19 What you suffer in masses of people (8)
- 21 Sudden rise in voltage (6)
- 22 Secured with wire pins (8)
- 23 Large birds of prey (6)
- 25 Not original (4)
- 26 On vacation (4)

name _____

Address _____

_____ Postcode _____

email _____

Send completed crossword to:
Sollatek, Unit 10, Poyle 14, Newlands Drive,
Horton Road, Poyle, Slough,
Berkshire SL3 0DX UK.

Closing date for entries is Jan 31st 2003.

Solar Lights in Chicken Pen Chicken Power!

Assisted by Sollatek, Associated Poultry Services have brought chicken laying houses into the 21st century.

In order to satisfy public demand for organic free-range eggs and to comply with Government standards, chicken laying houses have to be moved to fresh pasture on a regular basis, therefore preventing land contamination and ensuring the supply of eggs of the highest quality.

Over the past two years Associated Poultry Services have devised a mobile system, that can hold up to 1600 chickens. The system is fully powered by both solar and wind energy. This has been achieved by the installation of a 12V system, which has been specifically adapted to work alongside a tailor made controller (ML10). It is from this that Sollatek Lumina 12V lights are powered. The controller acts as a timer, which allows the lights to work as part of a gradual lighting system.



The lights have been specifically sourced to provide high lumen whilst requiring low power consumption. They are also dawn to dusk dimmable, timed with a sensor to monitor outside light so as to conserve power when natural light is sufficient.

This system fulfils the natural lighting requirements, which in turn provides the chickens with the correct amount of light they require per day, which equates to happy healthy hens! And the additional advantages include no electricity bills, no hazardous cables, and peace of mind in the knowledge that the whole system has no damaging effects on the environment.

The Sollatek Glowstar Lantern – The new revolution in solar lighting!

We have a lot to shout about with the arrival of our revolutionary low cost solar lighting appliance – The Glowstar and Glowstar Plus.

Our new and unique Glowstar Lantern provides uncomplicated inexpensive solar powered lighting. It is specifically designed for those living in areas with an unreliable power supply; particularly in hospitals, colleges and health clinics where lighting is essential to carry out daily tasks. The Glowstar is also ideal for recreational activities such as camping, caravanning, yachting and trekking.

Recognising the opening in today's market and incorporating our ever-increasing knowledge into Photovoltaics (converting the sun's energy into electricity) Sollatek has provided a low cost, reliable and efficient solution, which will be on the market through Sollatek and Sollatek worldwide December 2002.

Using the latest solar power technology the Glowstar features a 10-watt compact fluorescent tube which is equivalent to that of a 60W tungsten bulb -up to six times more efficient than most standard lamps. Compact fluorescent tubes have a working lifetime of up to eight times longer than standard lamps. To provide light for as long a period as possible the Glowstar incorporates a sine wave inverter with pre-heat for a longer lamp life.

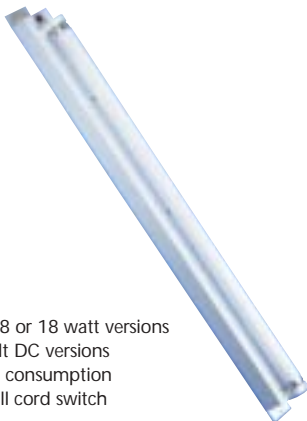
Charging the Glowstar couldn't be easier. You have the choice of a small solar panel, a mains adaptor or car socket. So wherever you are in the world the Glowstar can be used to its full potential. The Glowstar's battery charging is micro-processor controlled, ensuring an extended maintenance free service. When sunlight is insufficient you simply need to plug the Glowstar into the mains and the battery will receive a full top up. An LED readout will show you the battery's charge status.

The Glowstar Plus has an added 'emergency' feature. The unique auto function turns the lantern into an emergency or security lamp. When used with the solar panel, the lantern detects nightfall and turns itself on at dusk. Also when connected to the mains the Glowstar Plus has the facility to detect a power cut and switch itself on. These unique features makes the Glowstar Plus an invaluable piece of equipment in an emergency.

Finally the Glowstar offers exceptional cost efficiency. When switched off, the control circuits draw from just 3mA to 5mA, therefore the battery will not slowly discharge overnight or when the lantern is stored for later use. Glowstar's maximum power is reserved for running the lamp, the battery is preserved and operational efficiency is increased.

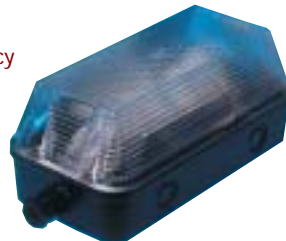
SOLLATEK SOLAR designs, manufactures and supports a wide variety of solar related products. Whilst being one of the world's largest suppliers of OEM products, the company also has extensive expertise in designing and producing bespoke solar systems. More detailed information can be found on our web site, and Solar leaflets (also downloadable as a PDF). Please ask for more details.

ECOLITE
Linear
fluorescent
tube



- Available in 8 or 18 watt versions
- 12 or 24 Volt DC versions
- Low current consumption
- Optional pull cord switch

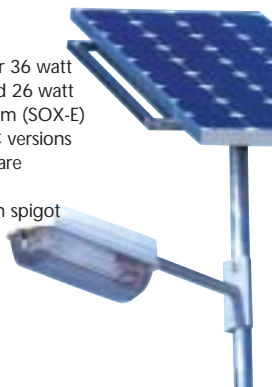
OUTLITE
High efficiency
compact
fluorescent
lamp



- 18 watts
- Available in 12 or 24 or 48 Volt DC versions
- Vandal resistant polycarbonate construction
- Available in 12 or 24 or 48 Volt DC versions
- Weatherproof to IP65
- Low current consumption

STREET LIGHTING
IP65, weatherproof bulkhead

- Available in 18 or 36 watt fluorescent, 18 and 26 watt low pressure sodium (SOX-E)
- 12 or 24 Volt DC versions
- Inverter/ballasts are tropicalised
- Side entry 35mm spigot



LUMINA
High efficiency compact fluorescent lamp

- Available in 7,9, and 18 watt versions
- 12 or 24 Volt DC input
- Low current consumption
- Optional switch





Manhal Allos, managing director of Sollatek seen here receiving the award from Ms. Marhot Wallström (left), Member of the European Commission Responsible for Environment, & Ms. Cristina Garcia Orcoyen, member of the European Parliament Chairman of the Jury.

Glowstar wins European award for the environment

Sollatek, in conjunction with ITC (Intermediate Technology Consultants) were very proud last month to jointly receive the Product Award for Sustainable Development for the Glowstar lantern.

The EUROPEAN AWARDS FOR THE ENVIRONMENT are designed to recognise and promote, as an example to others, organisations which make an outstanding contribution to sustainable development.

They aim to highlight policies, practices, processes and products from all sectors of business in the European Union which help achieve 'economic and social development without detriment to the environment and natural resources upon the quality of which continued human activity and further development depend'.

The EUROPEAN AWARDS FOR THE ENVIRONMENT are therefore given in the following four categories:

1. The Management Award for Sustainable Development.
2. The Product Award for Sustainable Development.
3. The Process Award for Sustainable Development .
4. The International Co-operation Award for Sustainable Development.



Glowstar with optional solar panel



Runner up



DC input from 12V solar module, mains adaptor or vehicle cigarette-lighter socket



Four LED indicators display Glowstar lantern status (battery full, battery good, battery low, lamp off)

For further information about the Sollatek Glowstar please contact our sales team on +44 (0) 1753 688300 or visit www.sollatek.com/glowstar

NEW PRODUCT FOCUS



efficiency of your equipment, the FridgeGuard is specifically programmed to allow a 90 second start up delay to protect against frequent fluctuations. This ensures proper compressor shut-down and start up.



The Sollatek Hivoltguard: is aimed at protecting TV/video, Hi-fi, fax machines and is specifically suitable for notebook computers. Protection is once again guaranteed against high voltage, spikes/surges and power back surges.

Power from the mains is disconnected when the voltage exceeds the programmed level, the built in delay kicks in and when normal voltage is resumed, power continues. This vital protection maintains efficiency, performance and prolongs the life span of your appliances. Also the HighVoltguard has the added advantage of acting as a UPS with notebook computers; on disconnection from the mains the notebook's internal battery takes over, effectively functioning as an uninterruptible power supply.



The Sollatek Guard Range -complete protection

Telecommunications and electrical equipment and usage are constantly increasing in today's fast-growing society. It is therefore vital that our equipment remains effective and reliable to enable us to carry out our daily business tasks and functions. Electronic equipment can be greatly affected by such things as lightning and spikes and surges from the mains, which can cause considerable damage.

The Sollatek Guard Range is designed specifically to protect today's valuable electrical equipment from damage caused by fluctuations in the mains electricity supply. The principle behind each device is simply to disconnect the equipment from the mains when the voltage supply exceeds or goes below the acceptable level needed for the appliance to function efficiently and correctly. The re-connection of the equipment is maintained when the power returns to an acceptable level after a short period of time.

The Sollatek CommsGuard: Ideal for protection of computer data, internet modems, fax machines and telephones. It protects against lightning and mains surges/spikes that can enter the telephone lines and cause damage to hardware and data. The CommsGuard provides an effective way of preventing serious damage. To provide adequate protection, surges that enter the communication lines

need to be dissipated towards earth. The CommsGuard is ideal in this respect as it can be plugged into the mains to provide the earth connection.

The Sollatek SpikeGuard: A new model from Sollatek, the SpikeGuard effectively protects any

suitably rated equipment (up to 13Amps) such as computers, office equipment, printers, domestic appliances, monitors and Hi-fi. The SpikeGuard is compact, easily installed, safe and maintenance free, which in turn provides cost effective protection from everyday spike and surge damage. By simply plugging your equipment into the SpikeGuard or even in an adjacent socket, it will be protected. When a spike occurs the SpikeGuard reacts extremely quickly to 'clamp' the high voltage level, sending it safely away to earth. Afterwards the SpikeGuard automatically resets itself and continues protection.



The Sollatek Lineguard: The Sollatek Lineguard is a protective device engineered specifically for use with telecommunication equipment. By connecting between the telephone line and your valuable equipment, it will protect against surges, spikes and lightning. Using a simple telephone plug connection, the LNG provides the highest possible level of hardware protection. It incorporates a gas discharge tube (GDT), which allows harmful spikes to be dissipated directly to earth. It has a maximum impulse capacity of 5000Amps.



The Sollatek Fridgeguard: protects all types of fridges and domestic freezers against low voltage, spikes / surges and power back surges. Low voltage is particularly damaging to the compressor (motor) of fridges, which can, over a long period of time, cause the appliance to stop working altogether. To ensure and maintain the

The Sollatek Voltguard: offers protection for both high and low voltage (unlike the Hivoltguard which protects against high voltage only and the fridgeguard which protects against low voltage only). The VoltGuard also provides protection against spikes /surges and power back surges. Ideally suited for TV/video, Hi-fi, PABX, fax machines, fridges/ domestic freezers and all other electronic equipment up to 5Amps.



The Sollatek Faxguard: Suitable for the protection of computer data, internet, modems, fax machines and telephones, this product protects against high voltage, spikes/ surges, power back surges, data line spike/surges and lightning. Lightning and mains surges can enter telephone lines and cause damage to hardware and data. Being connected to the internet for long periods of time also increases the risk of damage.

N.B The Faxguard and Commsguard are similar in that they both protect against spikes and surges on data lines and mains, but the FaxGuard offers over voltage protection from the mains by disconnecting when current increases above the acceptable level, with subsequent built in start up delay.



For further information about the Sollatek Guard Range please contact our sales team on +44 (0) 1753 688300 or e-mail sales@sollatek.com

NEW PRODUCT FOCUS

The Sollatek range now encompasses a wide range of power protection products. Below is an overview of some of the most recent products introduced. More detailed information can be found on our web site, or our power protection catalogue (also downloadable as a PDF). Please ask for more details.

LINE-INTERACTIVE UPS (ULTIMA)

Uninterruptible power supply



The Sollatek Ultima - available in 280, 450VA and 650VA ratings—is the perfect line-interactive UPS for stand alone PCs and computer networking environments. It protects your network equipment from power surges, brownouts and utility failures at a competitive cost. Its compact design features tighter output voltage and frequency regulation, user configurable front panel and RJ 11/45 modem/data line protection.

AVS MICRO

Spike/surge protection



The AVS monitors the voltage for a short period to ensure the power has stabilised before re-connecting. In addition, the start-up delay provides protection against power-back surges commonly experienced after resumption of power in a power cut situation. Surge and spike protection is also incorporated.

- Now microprocessor controlled
- Wide range of models suitable for different environments (i.e AVS13RL MICRO, protects against RFI and lightning)

LINE-INTERACTIVE UPS (OPTIMA)

Uninterruptible power supply



- Cost-effective way to ensure constant PC power
- Rapid battery charging
- Start-up from cold
- Protection for vital hardware
- Unique audio reporting via power management software
- RFI filtering & spike protection
- Up to 7.5 minutes backup time at full load
- Three power variants for worldwide supply conditions
- Stylish, robust & compact

SUNPOWER 6

Solar charge controller

Solar



Applications:

- Small lighting and power systems
- Billboard lighting
- Rural electrification
- Solar home systems
- Telemetry
- Remote monitoring and control
- Animal feeding and supervision systems

SPIKEGUARD

Spike/surge protection



The SpikeGuard can protect any suitably rated equipment (up to 13Amps) for instance:

- Computers • Office equipment • AV equipment
- Printers • Domestic appliances
- Monitors • Scanners
- Fax machines • Laptops
- Hi-Fi equipment.

The SpikeGuard is easy to fit, small, safe and maintenance free and gives cost effective protection from everyday spike and surge damage.

MULTIGUARD/MULTISTRIP

Spike/surge protection

On 4 protected outlets, the Multiguard and Multistrip protect against spikes/surges and have a maximum power of 13 amps. Ideal for all electronic appliances and is especially useful for computers and ideal for home use with video, TV, Hi-Fi.



SUNPOWER 30

Solar charge controller

Solar

Applications:

- Medium to large sized applications
- Larger power generation systems
- Unattended telecoms relay stations
- Commercial lighting
- Street lighting
- Billboard lighting



COMMSGUARD

Spike/surge protection



Lightning and mains surges and spikes can enter the telephones and cause damage to hardware and data. Being connected to the internet for long periods increases the risk of damage. The CommsGuard provides an effective way of preventing serious damage. As adequate protection requires that surges from the data lines are dissipated to earth, the CommsGuard is ideal as it can be plugged into the mains to provide the earthing.

GLOWSTAR

Solar powered lantern

Solar



The Sollatek Glowstar Lantern provides simple, inexpensive solar-powered lighting.

It is perfect for rural households and farms, schools and colleges, hospitals, health clinics and community centres. It is also ideal for recreational use such as caravanning, camping, trekking and yachting. In fact, Glowstar is designed for virtually any environment where the local electricity supply is inconsistent, unreliable or unavailable.



Solar charge controllers brochure



Solar light fixtures leaflet



Solar modules leaflet



Solar SPCC10E leaflet



Solar water pumping (pro) leaflet



Solar SPCC16E leaflet



Solar water pumping leaflet



Solar batteries leaflet



Solar batteries (pro) leaflet



Solar lighting kits leaflet



Solar street lights leaflet



Solar lighting leaflet



PureAC brochure



VP Catalogue



AVS single phase leaflet



AVS 3phase leaflet (due Jan 03)



Guard leaflet



ESP30 brochure



ASP/VDS guide



Freo Range leaflet



ASP brochure



SVS brochure



ISP leaflet



Lineguard leaflet



AVS13 mailer



Fridgeguard mailer



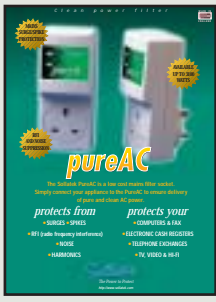
Faxguard mailer



Hivoltguard mailer



SVS mailer



PureAC mailer



Ultima UPS brochure



Optima UPS brochure



Glowstar brochure

Please let us have your news, comments and ideas for future articles in our next Newsletter. Please address all correspondence to sales@sollatek.com

visit our website www.sollatek.com

Did you know you can now download any of our current range of brochures directly from our site? It's easy and quick. Available as PDF, you need Adobe Acrobat to view them (included free on our site).

