

Sollatek Electronics (Kenya) Limited

P.O. BOX 34246, MOMBASA, 80118

FAX: (020) 3501673

TELKOM WIRELESS: (020)3501671/2

MOBILE : 0733 610753/615727, 0722 764643,0725 546865

E-mail: sales @sollatek.co.ke

Website : www.sollatek.co.ke

RETAIL PRICE LIST. EFFECTIVE 1st JANUARY, 2009 IN KENYA SHILLINGS.

SINGLE PHASE AUTOMATIC VOLTAGE SWITCHERS

Product	Retail	Protection	Rating	Description
Fridgeguard 16% VAT	2,670.00 427.20 3,097.20	u/v	5A	Protects fridges, freezers, & bottlecoolers from low voltage. Cuts off at 185V and re-connects 180 seconds after resumption of good power.
Hivoltguard 16% VAT	2,640.00 422.40 3,062.40	o/v, sp	5A	Protects electronic products, including TV, video, fax, PABX, hi-fi etc., from high voltage and spikes. Cuts power at 260V and reconnects 10 - 15sec. after resumption of good power. The short time delay avoids inconvenience while watching TV
Tv guard 16% VAT	2640.00 422.40 3062.40	o/v, sp	5A	NEW. Ideal protection for your TV,LCD/Plasma screens and other expensive electronic equipment. Protects against high voltages,brown-outs & voltage dips.
Lightning guard 16% VAT	3,000.00 480.00 3,480.00	o/v, sp on both AC & DC lines	5A	Protects telephones, modems, fax machines and other telecoms equipment from lightning, surges and spikes on both the telephone and power lines. Similar in specs with the Faxguard.
Voltguard 16% VAT	3,200.00 512.00 3,712.00	u/v, o/v, sp	5A	A 5amp version of the AVS13 in an adaptor box with high and low voltage protection which reconnects 30 seconds after good power returns. Ideal for a single appliance which contains both electronics and a motor.
Freoguard 16 16% VAT	1,800.00 288.00 2,088.00	u/v, o/v, sp	16A	Industrial product with no socket. Protects A/C's up to 12,000 BTU, fridge/freezers, bottlecoolers, motors & pumps from low & high voltage and spikes. Cuts power at 185 & 260V & reconnects 3 minutes after good power returns. Water & tamper proof. (Formerly VDS 16P)
Freoguard 30 16% VAT	1,950.00 312.00 2,262.00	u/v, o/v, sp	30A	An industrial product with no socket. Protects air-conditioners up to 30Amps from low and high voltage & spikes. Cuts power at 185 & 260V and reconnects 3 minutes after good power returns. (Formerly VDS 30).
AVS13 16% VAT	4,000.00 640.00 4,640.00	u/v, o/v, sp	13A	A multi purpose unit, which protects all products against low & high voltage and spikes. Cuts power at 185 & 260V model with 5 LED'S and adjustable time delay plus on/off switch.

AVS15 16% VAT	4,150.00 664.00 4,814.00	u/v, o/v, sp	15A	Protects air-conditioners and washing machines from low & high voltage. Cuts off at 185 & 260V with 5 led's and adjustable time delay plus on/off switch. Also useful for load shedding non essential loads such as water heaters
AVS30 16% VAT	5,350.00 856.00 6,206.00	u/v, o/v, sp	30A	No socket. Protects large air-conditioners or machinery against low & high voltage and spikes. <u>NOW WITH ADJUSTABLE, BLIND SPOT, VOLTAGE LIMITS AND TIME DELAY.</u>
AVS100 16% VAT	32,950.0 0 5,272.00 38,222.0 0	u/v,o/v,sp	100A	No socket. Industrial product designed to protect large machines or complete electrical circuits against low and high voltage and spikes. Cuts off at 185 and 260V and you can choose the delay you require before good power returns.
AVS3P-0 16% VAT	18,700.0 0 2,992.00 21,692.0 0	u/v, o/v, sp	N/A	3 phase with No contactor. <u>DELAYS, BLIND SPOTS AND VOLTAGE LIMITS ADJUSTABLE.</u> Protects any three phase equipment which has a contactor. Optional phase rotation error detection. <u>UNITS WITH CONTACTORS MADE TO ORDER.</u>

AUTOMATIC VOLTAGE REGULATORS (AVR) - Single Phase.

The Sollatek Automatic Regulators (AVR) are microprocessor controlled, highly efficient, & very quick to respond to mains fluctuations (in less than one cycle). They give an extremely accurate output. They give a high degree of protection because of their very rapid response to mains fluctuations (in less than 20 milliseconds). The unit will stabilize the output to +/- 4% of 230V when the input voltage is as low as 165V and as high as 295V, thus providing a 54% correction range which makes the Sollatek AVR Range ideal for use with all sensitive electronic & electrical appliances. All units incorporate overload protection.

Product	Retail	Protection	Rating VA / Current @ 240V
AVR500 16% VAT	12,500.00 2,000.00 14,500.00	u/v, o/v, sp	0.5 kVA / 2 amps. When used with a Hivolt Guard on the output of the AVR, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR1200 16% VAT	37,250.00 5,960.00 43,210.00	u/v, o/v, sp	1.2 kVA / 5 amps. When used with a Hivolt Guard or AVS13 on the output, this unit will give the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR2500 16% VAT	53,550.00 8,568.00 62,118.00	u/v, o/v, sp	2.5 kVA / 10 amps. When used with an AVS13 on the output, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR5000 16% VAT	136,100.00 21,776.00 157,876.00	u/v, o/v, sp	4.6 kVA / 20 amps. When used with an AVS30 on the output, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR7500 16% VAT	156,400.00 25,024.00 181,424.00	u/v, o/v, sp	6.9 kVA / 30 amps. When used with an AVS30 on the output, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.

AVR10K 16% VAT	212,150.00 33,944.00 246,094.00	u/v, o/v, sp	9.2 kVA / 40amps. When used with an AVS100 on the output, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR12K 16% VAT	342,150.00 54,744.00 396,894.00	u/v, o/v, sp	11.5 kVA / 50amps. When used with an AVS100 on the output, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR18K 16% VAT	383,500.00 61,360.00 444,860.00	u/v, o/v, sp	17.2 kVA / 80amps. When used with an AVS100 on the output, this unit provides the ultimate protection for delicate electronic equipment in areas of persistent high, low or fluctuating voltage.
AVR24K 16% VAT	561,600.00 89,856.00 651,456.00	u/v, o/v, sp	23 kVA / 105amps

AUTOMATIC VOLTAGE REGULATORS (AVR) - Three Phase

The Three Phase Sollatek AVR's operate on the same lines as the single phase units by monitoring the voltage on each individual phase. They are all microprocessor controlled solid state units with a 20 milliseconds response time and give an output of + - 4%. An AVS function can be added to the AVR which will ensure a delay of your choice before the AVR can restart after power cuts and only reconnects power to the load when the input voltage is within the AVR's range.

The AVR 3x25 is fully loaded with all extras. All other sizes come only with current meters and voltage meters with all other extras being optional and chargeable. The prices below are up to 3 x 100 kVA. Prices of larger units up to 1000kVA are available on request

Product	Price	Protection	KVA Rating	AMPS per Phase	Weight In Kgs	Optional Extra For all 3 Phase AVR's available upon request.
AVR3X25 16%VAT	427,200.00 68,352.00 495,552.00	u/v, o/v, sp	17.3	25	100	1. AVS Function 2. DSP Function (for protection against lightning) 3. Circuit Breaker option(recommended to be used) 4. Manual Bypass option(recommended to be used)
AVR3x30 16% VAT	380,100.00 60,816.00 440,916.00	u/v, o/v, sp	20.7	30	135	
AVR3x50 16% VAT	652,600.00 104,416.00 757,016.00	u/v, o/v, sp	36	50	225	
AVR3x75 16% VAT	853,200.00 136,512.00 989,712.00	u/v, o/v, sp	54	75	300	

AVR3x100 16% VAT	1,283,500.00 205,360.00 1,488,860.00	u/v, o/v, sp	72	100	425	
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SOLLATEK VOLTAGE STABILISERS (SVS) - Single Phase.

The Sollatek Voltage Stabilisers (SVS) are microprocessor controlled relay based stabilisers that can boost the incoming voltage when it is low & reduce it when it is too high. The output will be corrected by +/- 25%. E.g. if the input voltage is 180V or rises to 270V then the output will be 240V so your equipment will operate normally. The SVS is ideal for use on all electrical appliances especially refrigerators, coolers, freezers, & air conditioners and all home and office appliances. A change in the delay times of the AVS function can be done on request and for a nominal extra charge.

Product	Retail	Protection	WATT / Current @ 240V
SVS500 16% VAT	6,600.00 1,056.00 7,656.00	u/v, o/v, sp	500W / 2 Amp. Ideal for T.V., video & computers. Incorporates AVS function on the output with a 10 sec delay to provide complete protection with minimum inconvenience.
SVS1000 16% VAT	8,400.00 1,344.00 9,744.00	U/v, o/v, sp	1000W / 4 Amps. As above, but can also be used on one fridge or freezer Delay is 1 min to allow time for decompression of compressors in fridges and freezers..
SVS1000 DUAL OUTPUT 16% VAT	13,100.00 2,096.00 15,196.00	u/v, o/v, sp	1000W @ 230V or 500W at 115V. As above but can also operate appliances of 115V input.
SVS2000 16% VAT	14,000.00 2,240.00 16,240.00	U/v, o/v, sp	1920W / 8 Amps. Now with AVS function to provide extra protection to appliances.
SVS3500 16% VAT	19,900.00 3,184.00 23,084.00	U/v, o/v, sp	3500W / 15 Amps. Same as for SVS2000.
SVS5000 16% VAT	23,300.00 3,728.00 27,028.00	U/v, o/v, sp	5000W / 20 Amps. Same as for SVS2000.
SVS12000 16% VAT	87,700.00 14,032.00 101,732.00	U/v, o/v, sp	12000W / 50 Amps. The 'Home Stabiliser' . Ideal to provide stable power for an entire office or house. Contact us if more protection required.

SVS18000 16% VAT	108,100.00 0 17,296.00 125,396.00 0	u/v, o/v, sp	18000W / 75 Amps. The 'Home Stabiliser.' Ideal to provide stable power for a whole office or house. Contact us if more protection required.
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POWER SUPPRESSORS

Product	Retail	Rating	Description
SPIKEGUARD 16% VAT	1,350.00 216.00 1,566.00	13A	Protects any equipment rated upto 13amps for instance computers, office equipment, domestic appliances, printers, fax machines, laptops, HiFis from mains surges and spikes. Easy to fit, small, safe and maintenance free.
MULTI GUARD - 1 16% VAT	2,100.00 336.00 2,436.00	13A	13 Amp multiway socket (4 sockets) with spike protection. Comes in a blister pack.
MULTI GUARD -X 16% VAT	1350.00 216.00 1566.00	13 A	NEW. As above but a smaller unit with shorter cable.
COMMSGUARD 16% VAT	1,100.00 176.00 1,276.00	5A	An improved version of the lineguard, which avoids having a separate earth connection. Mounted in a "guard" type adaptor box it fits into a standard 13 amps socket. The easy solution to protect telephones & modems from LIGHTNING strikes.
DSP1P-0 16% VAT	11,100.00 1,776.00 12,876.00	Comprehensive Spike & Lightning Protection	Distribution Surge Protector (DSP) single phase. Connected at the point of entry distribution panel, the DSP protects against surges ,spikes, LIGHTNING and transient over voltages conducted through the power distribution boards .
DSP3P-0 16% VAT	15,400.00 2,464.00 17,864.00	Comprehensive Spike & Lightning Protection	Distribution Surge Protector (DSP) three phase. Connected at the point of entry distribution panel, the DSP protects against surges ,spikes, LIGHTNING and transient over voltages conducted through the power distribution boards

UPS

ULTIMA UPS 600 16% VAT	6,550.00 1,048.00 7,598.00	600VA	Microprocessor controlled Line Interactive UPS. Fully automatic voltage stabilizer, 15 minutes backup at 200VA, 8hours to recharge to 90% after full discharge, short circuit and overload protection. 2 YEARS WARRANTY ON BATTERIES.
ULTIMA UPS 800 16% VAT	8,825.00 1,412.00 10,237.00	800VA	Microprocessor controlled Line Interactive UPS. Fully automatic voltage stabiliser, 22 minutes backup at 200VA, 8 hours to recharge to 90% after full discharge., short circuit and overload protection. 2 YEARS WARRANTY ON BATTERIES.
ULTIMA UPS 1000 16% VAT	13,275.00 2,124.00 15,399.00	1000VA	Microprocessor controlled Line Interactive UPS. Fully automatic voltage stabiliser,45 minutes backup at 200VA, 6 hours to recharge to 90% after full discharge, short circuit and overload protection. 2 YEARS WARRANTY ON BATTERIES.

ULTIMA UPS 1400 16% VAT	20,000.00 3,200.00 23,200.00	1400VA	Microprocessor controlled Line Interactive UPS.Fully automatic voltage stabilizer, 58 minutes backup at 200VA, 6 hours to recharge to 90% after full discharge,short circuit and overload protection. 2 YEARS WARRANTY ON BATTERIES.
ULTIMA UPS 2000 16% VAT	27,275.00 4,364.00 31,639.00	2000VA	Microprocessor controlled Line Interactive UPS..Fully automatic voltage stabilizer,58 minutes backup at 200VA, 6 hours to recharge to 90% after full discharge ,short circuit and overload protection. 2 YEARS WARRANTY ON BATTERIES.

SOLAR PANELS

Product	Retail	Description
6 WATT SHURJO PANEL	3,300.00	The latest in thin film solar technology. .Made of Copper Indium Gallium diSelenide (CIGS), a crystalline material, these panels provide consistent power and do not degrade when exposed to sunlight-unlike amorphous panels. Also unlike traditional crystalline panels, the CIGS panels yield more energy per KW installed due to better performance in low light. Made of toughened glass, with a three layer Tedlar® backing, this is a robust light weight solar module. Recommended for use with the Glowstar 5W and comes with a 10 YEAR WARRANTY.
9 WATT SHURJO PANEL	5,000.00	Characteristics as above. Recommended for use with the Glowstar 7W(Plus). 10 YEAR WARRANTY
15 WATT SHURJO PANEL	7,150.00	Characteristics as above. 20 YEAR WARRANTY.
30 WATT SHURJO PANEL	15,250.00	Characteristics as above. 20 YEAR WARRANTY.
45 WATT SHURJO PANEL	25,500.00	Characteristics as above. 20 YEAR WARRANTY.
60 WATT SHURJO PANEL	33,450.00	Characteristics as above. 20 YEAR WARRANTY.
90 WATT SHURJO PANEL	48,550.00	Characteristics as above. 20 YEAR WARRANTY.

SOLAR LANTERNS

Product	Retail	Description
GLOWSTAR LANTERN NO VAT	7,200.00	A high quality mobile light for rural areas. Can be re-charged with a 5 ,10 or 14 watt panel (see US LM5, US LM10,5W GS China, & 14 Watt ICP Solar Panel). 5 YEAR WARRANTY FOR THE LANTERN & 6 MONTHS FOR THE BATTERY. NO WARRANTY ON THE BULB.
GLOWSTAR PLUS LANTERN NO VAT	10,100.00	As above but comes with additional features such as an auxiliary DC Power Output. Can be used to charge radios and other small appliances.

CAR CHARGER FOR GLOWSTAR 16% VAT	300.00 48.00 348.00	This connects between the charge input socket of the Glowstar and a 12V cigarette power socket in a vehicle. If the engine is off, then the lantern will charge slowly. However, if the vehicle is being driven, the Glowstar battery will receive a good charge. The Glowstar can be left connected to the vehicle socket for long periods without any problem. This accessory does not come with any warranty.
CIGAR LIGHTER SOCKET 16% VAT	300.00 48.00 348.00	The lighter socket is connected to your lighter plug in order to charge your mobile phone from the Glowstar lantern. This set up is then plugged into 'AUX' output socket on the Glowstar plus and converts it to a socket like a vehicle cigarette lighter socket.
AC CHARGER FOR GLOWSTAR 16% VAT	2,150.00 344.00 2,494.00	The mains charger will connect to a normal wall socket and run from AC mains. It can work from 85V to 265V AC. The mains charger will charge Glowstar Plus in 6 hours and Glowstar basic in 4 hours. There is no harm in leaving the mains charger permanently connected because the Glowstar charge circuit will control the charge and protect the battery from overcharge.

SOLAR CHARGE CONTROLLERS

Product	Retail	Description
SUNPOWER 6 NO VAT	2,550.00	Solar panel charge controller for panel arrays of up to 64W & loads up to 6 Amps DC. Microprocessor controlled mosfet based unit with 5 LED'S. Very low power consumption and PWM charging. Ideal for small lighting systems.
SPCC10 (12V& 24VDC) NO VAT (10 AMPS)	5,050.00	Solar Panel Charge Controller for arrays & loads up to 10Amps. A high efficiency low cost unit ideal for small lighting systems which may require to be expanded at a future date. Adjustable voltage limits & four LED's for clear status indication.
SPCC10E (12/ 24V DC) NO VAT (10 AMPS)	6,750.00	As above but with additional features eg., has a timer facility which makes it ideal for use in Solar systems for outdoor lighting. Current consumption is about 25% of the normal SPCC10. All "E" models have temperature compensation built in and are field selectable for 12 or 24V operation.
SPCC16E (12 / 24V DC) NO VAT (16 AMPS)	6,900.00	Charge Controller for arrays & loads of up to 16 Amps DC. A very efficient unit that offers high specifications, reliability and quality at a competitive price. Adjustable voltage limits & five LED's for clear status indication. This is the best charge controller in the market.
SUNPOWER 30 (12 / 24V DC) NO VAT (30 AMPS)	9,800.00	As above but for arrays & Loads of upto 30amps. A high efficiency low cost unit ideal for larger systems. SPECIFY 12 OR 24V MODEL WHEN ORDERING.
SUNPOWER 30+LCD (12/ 24VDC) NO VAT (30 AMPS)	12,950.00	NEW. A 30 Amps Sollatek charge controller now with three digits display that continuously indicates your battery voltage.

DC SOLAR LIGHTS AND DC ELECTRICAL FITTINGS

DC ECOLITE NO VAT	(12 V) (8 WATT)	1050.00	High quality low cost light. Designed for the no frills, lower cost market where reliability is still of critical importance. Efficient light using a low cost linear fluorescent tube. No RFI interference. Short circuit and reverse polarity protection.
DC ECOLITE NO VAT	(12 V) (18 WATT)	2,750.00	As above but with 18 Watt linear tube but 12V DC operation.
DC ECOLITE NO VAT	(24 V) (18 WATT)	2,950.00	As above but in 24V DC.
DC LUMINA LIGHT NO VAT	(12V) (7,9,11WATT)	2,400.00	Very reliable giving more light from a PL bulb and consuming less power than any other light in the market. High quality finish in a tough housing designed to prevent intrusion by dust and insects. This is the next generation of solar lights.
DC LUMINA LIGHT NO VAT	(24V) (7,9,11WATT)	2,550.00	As above, but 24V DC operation.
DC LUMINA LIGHT NO VAT	(12V) (18WATT)	2,850.00	As above, but with 18Watt PL bulb.
DC LUMINA LIGHT NO VAT	(24V) (18WATT)	3,000.00	As above, but with 24 DC operation.

SPARE BULBS FOR SOLAR LIGHTS

8 WATT ECOLITE TUBE 16% VAT	250.00 40.00 290.00	FOR ECOLITES
7/9/11 WATT PL BULBS 16% VAT	500.00 80.00 580.00	FOR LUMINA LIGHTS
18WATT ECOLITE TUBE 16% VAT	350.00 56.00 406.00	FOR ECOLITES
18 WATT PL BULB 16% VAT	650.00 104.00 754.00	FOR LUMINA LIGHTS/STREET LIGHTS (PL MODEL)
18WATT PLC BULB 16% VAT	550.00 88.00 638.00	FOR OUTLITES

IMPORTANT NOTES.

1. Always use 'deep cycle' batteries (e.g. solar & NOT car batteries) in solar installations.
2. Always protect batteries with a Sollatek charge controller.
3. No Warranty on bulbs.

STANDARD TERMS AND CONDITIONS OF SALE TO AUTHORISED DISTRIBUTORS

GLOSSARY

U/V - UNDER VOLTAGE : Disconnects mains power in half a second.

0/V - OVER VOLTAGE : Disconnects mains power within twenty milliseconds (less than one cycle).

SP - SPIKE PROTECTION : Rated at 320V with energy of 160 Joules (minimum).

RFI - RADIO FREQUENCY INTERFERENCE FILTER.

DELIVERY

PRICES INCLUDE FREE DELIVERY AND INSURANCE. (EXCEPT FOR 3 PHASE AVR's)

GUARANTEE

- **ALL SOLLATEK PRODUCTS CARRY A FIVE YEAR GUARANTEE ON PARTS AND LABOUR.EXCEPT WHERE EXPRESSLY SPECIFIED OTHERWISE**
- **WE GUARANTEE SPARE PARTS AND SERVICE SUPPORT AVAILABLE ON ALL PRODUCTS.**
- **GUARANTEE IS INVALIDATED IF THE PRODUCT HAS BEEN OPENED OR TAMPERED WITH BY THE CUSTOMER.**
- **FREE COURIER SERVICE FOR CHEQUES AND RETURN OF GOODS AFTER REPAIR.**
- **TRANSPORT CHARGES FOR RETURN OF FAULTY GOODS FOR REPAIR TO BE BORNE BY THE CLIENT.**

PAYMENT TERMS

- 1. MINIMUM ORDER KSH 20,000/-**
- 2. THIRTY DAYS CREDIT IS AVAILABLE ON APPLICATION AT OUR DISCRETION.**
- 3. TWO PERCENT PER MONTH WILL BE CHARGED ON ALL OVERDUE ACCOUNTS.**