

POWER CONTROL LIMITED

PLOT No. 53, CHANG'OMBE ROAD OPPOSITE VETA

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RETAIL PRICE LIST (TANZANIA SHILLINGS)

SINGLE PHASE AUTOMATIC VOLTAGE SWITCHERS (VOLTGUARD)

Product	Retail	Protection	Rating	Description
Fridge guard 18% VAT	43,500.00 7,830.00 51,330.00	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 18% VAT	43,000.00 7,740.00 50,740.00	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 18% VAT	43,000.00 7,740.00 50,740.00	o/v, sp	5A	NEW. Ideal protection for your TV/LCD, Plasma screens and other expensive electronic equipment. Protects against high voltages, brown-outs and voltage dips.
Volt guard 18% VAT	55,000.00 9,900.00 64,900.00	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.
A/C Guard 18% VAT	55,000.00 9,900.00 64,900.00	u/v, o/v, sp	20A	Air conditioner, large fridge/freezer protection. Automatic voltage protection (High and Low) with a circuit breaker to prevent over-load or short circuit
Lightning guard 18% VAT	48,500.00 8,730.00 57,230.00	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 Fax guard.
Freoguard 16A 18% VAT	31,000.00 5,580.00 36,580.00	u/v, o/v, sp	16A	Industrial product with no socket. Protects A/C's up to 12,000 BTU, fridge/freezers, bottle coolers, 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 30A 18% VAT	34,500.00 6,210.00 40,710.00	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 18% VAT	65,500.00 11,790.00 77,290.00	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 18% VAT	68,000.00 12,240.00 80,240.00	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 18% VAT	94,000.00 16,920.00 110,920.00	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 18% VAT	580,000.00 104,400.00 684,400.00	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 18% VAT	378,750.00 68,175.00 446,925.00	u/v, o/v, sp		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. UNITS WITH CONTACTORS MADE TO ORDER.

AUTOMATIC VOLTAGE REGULATORS (AVR) - Single Phase (VOLTRIGHT)

The Sollatek Automatic Regulator (AVR) is 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 18% VAT	219,000.00 39,420.00 258,420.00	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 18% VAT	653,500.00 117,630.00 771,130.00	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 18% VAT	940,000.00 169,200.00 1,109,200.00	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 18% VAT	2,215,000.00 398,700.00 2,613,700.00	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 18% VAT	2,546,000.00 458,280.00 3,004,280.00	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 18% VAT	3,453,500.00 621,630.00 4,075,130.00	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 18% VAT	5,570,000.00 1,002,600.00 6,572,600.00	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 18% VAT	6,243,000.00 1,123,740.00 7,366,740.00	u/v, o/v, sp	17.2kVA / 80amps. When used with an AVS100 on the output, this unit provides the ultimate protection.
AVR24K 18% VAT	9,142,000.00 1,645,560.00 10,787,560.00	u/v, o/v, sp	23 kVA / 105amps. When used with an AVS100 on the output, this unit provides the ultimate protection.

AUTOMATIC VOLTAGE REGULATORS (AVR) - Three Phase (VOLTRIGHT)

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 USD Ex VAT	Protection	KVA Rating	AMPS per Phase	Weight In Kgs	Optional Extra for all 3 Phase AVR's available upon request
AVR3X25 18% VAT	4,967	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) **** Prices may vary at any time depending on prevailing supply costs and material costs****
AVR3x30 18% VAT	4,420	u/v, o/v, sp	20.7	30	135	
AVR3x50 18% VAT	7,589	u/v, o/v, sp	36	50	225	
AVR3x75 18% VAT	9,921	u/v, o/v, sp	54	75	300	
AVR3x100 18% VAT	14,925	u/v, o/v, sp	72	100	425	
AVR3X150 18% VAT	24,000	u/v, o/v, sp	103.5	150	450	ST 165 10A 5 way 220v Nominal £417 ST 165 10A 5 way 220v Nominal £425 ST 165 10A 3 way 220v Nominal £269

SOLLATEK VOLTAGE STABILISERS (SVS) - Single Phase (VOLTRIGHT)

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 18% VAT	107,500.00 19,350.00 126,850.00	u/v, o/v, sp	500W / 2 Amps. 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 18% VAT	138,000.00 24,840.00 162,840.00	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..
SVS2000 18% VAT	229,500.00 41,310.00 270,810.00	U/v, o/v, sp	1920W / 8 Amps. AVS function to provide extra protection to appliances.
SVS3500 18% VAT	326,000.00 58,680.00 384,680.00	U/v, o/v, sp	3500W / 15 Amps. Same as for SVS2000.
SVS5000 18% VAT	379,000.00 68,220.00 447,220.00	U/v, o/v, sp	5000W / 20 Amps. Same as for SVS2000.
SVS12000 18% VAT	1,427,500.00 256,950.00 1,684,450.00	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 18% VAT	1,759,500.00 316,710.00 2,076,210.00	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.

POWER SUPPRESSORS (VOLTSafe)

Product	Retail	Rating	Description
MULTI GUARD - 1 18% VAT	34,500.00 6,210.00 40,710.00	13A	13 Amp multiway sockets (4 sockets) with spike protection. Comes in a blister pack.
MULTI GUARD – X 18% VAT	21,500.00 3,870.00 25,370.00	13A	NEW. As above but a smaller unit with shorter cable.
COMMSGUARD 18% VAT	25,500.00 4,590.00 30,090.00	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	223,000.00	Comprehensive	Distribution Surge Protector (DSP) single phase. Connected at the point of entry distribution panel, the DSP protects

18% VAT	40,140.00 263,140.00	Spike & Lightning Protection	against surges, spikes, LIGHTNING and transient over voltages conducted through the power distribution boards. 1year Warranty. We recommend varistors be checked yearly.
DSP3P-0 18% VAT	311,500.00 56,070.00 367,570.00	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. 1year Warranty. We recommend varistors be checked yearly.

UPS (VOLTSURE)

ULTIMA UPS 600 18% VAT	172,000.00 30,960.00 202,960.00	280VA	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 18% VAT	230,550.00 41,499.00 272,049.00	420VA	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 18% VAT	344,000.00 61,920.00 405,920.00	650VA	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 18% VAT	517,000.00 93,060 610,060.00	300VA	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 18% VAT	702,000.00 126,360.00 828,360.00	500VA	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 & ACCESSORIES (SHURJO ENERGY)

Product	Retail	Description
6 WATT SHURJO PANEL	49,000.00	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	73,500.00	Characteristics as above. Recommended for use with the Glowstar 7W(Plus). 10 YEAR WARRANTY
15 WATT SHURJO PANEL	95,500.00	Characteristics as above. 25 YEAR WARRANTY.
30 WATT SHURJO PANEL	205,000.00	Characteristics as above. 25 YEAR WARRANTY
45 WATT SHURJO PANEL	305,000.00	Characteristics as above. 25 YEAR WARRANTY
60 WATT SHURJO PANEL	406,500.00	Characteristics as above. 25 YEAR WARRANTY
64 WATT SHURJO PANEL	436,000.00	Characteristics as above. 25 YEAR WARRANTY
100 WATT SHURJO PANEL	710,000.00	Characteristics as above. 25 YEAR WARRANTY

Product	Retail	Description
SUNPOWER6 12v (6 AMPS)	48,000.00	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.
SUNPOWER10 12v (10 AMPS)	60,500.00	Solar panel charge controller for panel arrays of up to 64W & loads up to 10 Amps DC. Microprocessor controlled mosfet based unit with 5 LED'S. Very low power consumption and PWM charging. Ideal for small lighting systems.
SPCC10E (12/ 24V DC) (10 AMPS)	128,000.00	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) (16 AMPS)	130,000.00	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) (30 AMPS)	185,000.00	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) (30 AMPS)	245,000.00	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 (12 V) (8 WATT)	17,000.00	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. PULL CORD SWITCHES AVAILABLE ON REQUEST.
DC ECOLITE (12 V) (18 WATT)	46,000.00	As above but with 18 Watt linear tube but 12V DC operation. PULL CORD SWITCHES AVAILABLE ON REQUEST.
DC ECOLITE (24 V) (18 WATT)	47,000.00	As above but in 24V DC. PULL CORD SWITCHES AVAILABLE ON REQUEST.
DC LUMINA LIGHT (12V) (7,9,11WATT)	40,500.00	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. ON/OFF SWITCHES AVAILABLE ON REQUEST AND MUST BE SPECIFIED WITH ORDER.
DC LUMINA LIGHT (12V) (18WATT)	48,000.00	As above, but with 18Watt PL bulb. ON/OFF SWITCHES AVAILABLE ON REQUEST AND MUST BE SPECIFIED WITH ORDER
DC LUMINA LIGHT (24V & WATT)	41,000.00	
DC LUMINA LIGHT (12V) (24WATT)	49,000.00	

SOLAR BATTERY

SOLAR BATTERY 7.2AH/12V	30,000.00	Chloride Exide Wet Lead Acid Battery Range. Ideal for cost effective solar home systems. Life span in the region of 2 years + if used in a correctly sized system. Designed and made in East Africa! Customer must buy acid and water to maintain battery. No warranty on wet lead acid batteries.
SOLAR BATTERY 50AH	120,000.00	
SOLAR BATTERY 75AH	150,000.00	
SOLAR BATTERY 100AH	160,000.00	

VICTRON BLUE ENERGY

VICTRON 80AH AGM BATTERY	\$185.00	Victron Blue Energy is a Dutch company that manufactures best quality batteries that have been tried and tested in Africa for decades. Their range of AGM batteries are perfect for the rugged conditions Africa throws at them. No corrosive adic inside, very stable and have expected life span of 5 years + with potential life span of 8 – 10 years.
VICTRON 120AH AGM BATTERY	\$270.00	Warranty is offered locally in Tanzania
VICTRON 200AH AGM BATTERY	\$435.00	

VICTRON 180W SINEWAVE INVERTER	\$129.00	
VICTRON 350W SINEWAVE INVERTER	\$177.00	
VICTRON 1600W 24V SINEWAVE INVERTER CHARGER	\$1,469.00	
VICTRON 3000W 24V SINEWAVE INVERTER CHARGER	\$2,445.00	

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 ARE EX-WORKS UNLESS OTHERWISE SPECIFIED

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.**

PAYMENT TERMS

1. **THIRTY DAYS CREDIT IS AVAILABLE ON APPLICATION AT OUR DISCRETION.**
2. **TWO PERCENT PER MONTH WILL BE CHARGED ON ALL OVERDUE ACCOUNTS.**

BANK ACCONT DETAILS:

**Power Control Ltd
Exim Bank (T) Ltd
Account No. 0301398007**

**Power Control Ltd
NMB Bank (T) Ltd
Account No. 2236600197**

**Power Control Ltd
Commercial Bank of Africa
Account No. 0101773006**