



Product Pricelist

Valid from: 1 November 2016

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Notes:

Prices are subject to change without notice.

Contents

1.	Solar Panels
2.	Solar Edge Inverters
3.	Solar Edge Accessories
4.	SMA Inverters
5.	SMA Accessories
6.	Victron
7.	Victron Accessories
8.	Batteries
9.	Components
10	Mounting Systems
11.	Services
12.	General Electrical Components

Solar Panels



IBC PolySol 260 CS



Power output	265 W
Power tolerance	+ 5 Watt
Max surface load	5.4 kPa
Connector type	MC4
Product warranty	10 years
Power output warranty	25 years
Glass	Anti reflective coating
Hail Resistance	35mm
Dimensions (L x W x H)	1600 x 992 x40 mm

Price		
Per Module	R	2 944.51
Per Watt	R	11.11

IBC PolySol 310 CS



Power output	310 W
Power tolerance	+ 5 Watt
Max surface load	5.4 kPa
Connector type	MC4
Product warranty	10 years
Power output warranty	25 years
Glass	Anti reflective coating
Hail Resistance	35mm
Dimensions (L x W x H)	1956 x 992 x40 mm

Price		
Per Module	R	3 519.04
Per Watt	R	11.35

SunRise SR-P660_250W



Power output	250 W
Power tolerance	0% to 3%
Max surface load	5.4 kPa
Product warranty	10 years
Power output warranty	25 years
Glass	Anti reflective coating
Hail Resistance	35mm
Dimensions (L x W x H)	1640x992x35 mm

Price		
Per Module	R	2 450.17
Per Watt	R	9.80

Solar Edge Price List



Single phase inverters	
Name	Price
SE 2200	R 19 330.51
SE 3000	R 21 937.62
SE 3500	R 25 227.30
SE 4000	R 27 076.50
SE 5000	R 26 839.50
SE5000 Backup	R 46 717.20
SE6000 Backup	On Request

Solar Edge Inverters - Three Phase



Three phase inverters	
Name	Price
SE 4k	R 31 877.57
SE 5k	R 32 207.43
SE 7k	R 35 578.40
SE 8k	R 39 517.25
SE 9k	R 41 092.75
SE 10k	R 42 650.08
SE 12.5k	R 44 298.90
SE 15k	R 35 534.29
SE 16k	R 35 925.76
SE 17K	R 36 404.12
SE 25k	R 49 278.21
SE 27.6k	R 50 003.14



Optimisers	
Name	Price
P 300 -5R -RS	R 1 181.73
P 350 -5R -RM	R 1 282.53
P 500 -5R -RM	R 1 337.47
P 600 -5R -RL	R 1 398.97
P 700 -5R -RL -Project*	R 1 522.31

Solar Edge Accessories



Name	Price	Description
SE 1000 -ZBGW -K	R 5 798.31	SolarEdge Home Gateway + Slave Kit
SE 1000 -ZBRPT	R 4 310.98	SolarEdge Zigbee Repeater (range extender)
SE 1000 -ZB03 -SLV	R 1 810.71	Zigbee Inverter Slave Kit
SE 1000 -CCG -G	R 10 755.80	SolarEdge Control and Communication Gateway
SE 1000 -CCG -F	R 10 755.80	SolarEdge Firefighter Safety Gateway
SE 1000 -WIFI01	R 1 724.47	SolarEdge Wi-Fi communication

Solar Edge Smart Energy Management



Name	Price	Description
SE-WNC-3Y-400-MB	R 4 849.90	SolarEdge Electricity Meter
SE-ACT-0750-50	R 1 142.49	Current Transformer (50A, 100A or 250A)
SE-CTS-2000-1000	R 2 112.37	Current Transformer 1000A
SE1000-SOIF01	R 636.80	SolarEdge S0 Meter Adapter Cable

SMA Price List



SMA single phase Inverters	Rating	Price
Sunny Boy 1500TL	1500 W	R 12 459.00
Sunny Boy 2500TL	2100 W	R 16 767.00
Sunny Boy 3000TL	3000 W	R 23 243.00
Sunny Boy 4000TL	4000 W	R 26 371.00
Sunny Boy 5000TL	5000 W	R 28 306.00



SMA three phase inverters	Rating	Price
Sunny Tripower 5000TL	5000W	R 34 087.00
Sunny Tripower 6000TL	6000 W	R 37 818.00
Sunny Tripower 7000TL	7000 W	R 40 986.00
Sunny Tripower 8000TL	8000 W	R 43 549.00
Sunny Tripower 9000TL	9000 W	R 46 110.00
Sunny Tripower 10000TL	10000 W	R 49 953.00
Sunny Tripower 12000TL	12000 W	R 56 997.00
Sunny Tripower 20000TL	20000 W	R 69 860.00
Sunny Tripower 25000TL	25000 W	R 80 053.00

SMA Battery Inverters



	Rating	Price
Sunny Island 3.0 M	3000 W	R 42 374.00
Sunny Island 4.4 M	4400 W	R 49 154.00
Sunny Island 6.0 H	6000 W	R 51 023.00
Sunny Island 8.0H	8000 W	R 61 175.00

SMA Accesories Price List



SMA Accessories



Product	Price	Description
Sunny Remote Control SRC-20	R 6 114.00	Control your Sunny Island from up to 20m distance
RS485 for SI 6.0H/8.0H	R 3 162.99	Monitor and collect all data of your system
Sunny Home Manager Bluetooth	R 7 731.42	Seamless system monitoring and energy management
Sunny WebBox Bluetooth	R 9 200.34	Wireless providing of setting and
Sunny Home Manager BT set	R 12 612.15	Seamless system monitoring and energy
9Way din steel metal	R 104.88	Take phase - exact and balanced measures
Metal Enclosure 400 x 300 x 200 (HxWxD)	R 6 800.34	Seamless system monitoring and energy management

Victron Price List



VICTRON Multiplus Inverter	Rating	Voltage	Price
VICTRON MULTIPLUS 12/3000/120-50	1200W	12V	R 35 615.00
VICTRON MULTIPLUS 24/3000/70-50	2000W	24V	R 35 615.00
VICTRON MULTIPLUS 24/5000/120-100	5000W	24V	R 49 391.00
VICTRON MULTIPLUS 48/3000/35-50	3000W	48V	R 37 039.00
VICTRON MULTIPLUS 48/5000/70-100	5000W	48V	R 49 391.00



VICTRON Quattro Inverter	Rating	Voltage	Price
VICTRON QUATTRO 24/5000/120-100/100	5000W	24/48	R 34 063.00
VICTRON QUATTRO 24/8000/200-100/100	8000W	24/48V	R 74 153.00
VICTRON QUATTRO 48/5000/70-100/100	5000W	24/48V	R 58 757.00
VICTRON QUATTRO 48/8000/110-100/100	8000W	48V	R 66 333.00
VICTRON QUATTRO 48/10000/140-100/100	10000W	48V	R 79 263.00



Solar Regulators	Rating	12/24V	Price
Blue Solar MPPT 75V - 15A - 12/24V	15A	24/24V	R 1 834.00
Blue Solar MPPT 100V - 15A - 12/24V	15A	24/24V	R 2 247.00
Blue Solar MPPT 100V - 50A - 12/24V	50A	24/24V	R 6 311.00
Blue Solar MPPT 150V - 35A - 12/24V	35A	24/24V	R 6 129.00



Solar Regulators - Large	Rating	Voltage	Price
Blue Solar MPPT 150V - 70A - 12/24/36/48V	70A	150V	R 11 936.00
Blue Solar MPPT 150V - 85A - 12/24/36/48V	85A	150V	R 13 001.00

Victron Accessories Price List

	Victron Accessories	Rating	Voltage	Price
	Color Control GX			R 10 523.00
	CCGX WiFi module long range			R 1 603.00
	Precision Battery Monitor BMV-700			R 2 924.00
	Precision Battery Monitor BMV-702			R 3 717.00
	Victron Global Remote 2 (VGR-2)			R 10 556.00
	MK2-USB Interface			R 1 405.00
	VE Direct Cable			R 243.00

Battery Price List

Deep Cycle Lead Acid batteries



Description	Rating	Price
100 Ah Lead acid - sealed AGM battery	100 Ah	R 1 782.50
100 Ah Lead crystal battery	105 Ah	R 2 033.99
185 Ah Lead Acid - MonBatt	180 Ah	R 4 873.00
200 Ah Lead acid solar battery	200 Ah	R 4 743.20

Lithium Iron Phosphate batteries - Freedom Won



Description	Rating	Price
1. 100Ah, Freedom Lite Home	5/4 kWh	R 49 076.00
2. 200Ah, Freedom Lite Home	10/7 kWh	R 84 189.00
3. 300Ah, Freedom Lite Home	15/11 kWh	R 122 482.00
4. 400Ah, Freedom Lite Home	20/14 kWh	R 160 604.00
5. 600Ah, Freedom Lite Home	30/21 kWh	R 238 218.00

Lithium Iron Phosphate batteries - Tesla Power Wall



Description	Rating	Price
6.4 kWh Usable energy Battery	6.4 kWh	R 79 103.00

Solar Components pricelist



MC 4 Connectors		Price
MC4 Female Connector	R	25.00
MC4 Male Connector	R	20.00



MC 4 Branch Connectors		Price
MC4 Branch connector 2F-1M	R	135.00
MC4 Branch connector 1F-2M	R	135.00



Solar Cable		Price
4mm ² Solar Cable (Black or red)	R	11.00
6mm ² Solar Cable (Black or red)	R	13.50
10mm ² Solar Cable (Black or red)	R	15.50



Battery stands		Price
2 x 200Ah bateries 240x240x500mm batteries	R	1 440.00
4 x 200Ah bateries 240x240x500mm batteries	R	1 540.00



Battery Fuses		Price
250 A Battery Blade Fuse	R	119.00



Surge Protection		Price
Surge Protection - AC Single Phase 220V	R	819.00
Surge Protection - DC 150 V	R	1 237.00

Mounting System Price List



Code	Name	Description (Manufacturer)	Price
131002-000	End Clamps (small)	End Clamp Rapid2+ 30-39mm	R 59.00
131002-001	End Clamps (large)	End Clamp Rapid2+ 40-50mm	R 59.00
131003-000	Middle Clamps (small)	Middle Clamp Rapid2+ 30-39mm	R 42.00
131003-001	Middle Clamps (Large)	Middle Clamp Rapid2+ 40-50mm	R 42.00
129011-000	End Caps	Plastic end caps for Profile solo05	R 9.00
120001-042	Rails - 4.2m - Eco 5	Module bearing profile - Eco5-4.2m	R 336.81
120002-004	Rails - 4.2m - Solo 5	Module bearing profile - Solo05 light - 4,2m	R 641.00
120002-006	Rails - 6.2m - Solo 5	Module bearing profile - Solo05 light - 6,2m	R 900.00
129060-001	Rail Connectors - Solo 05	Insertion connector for profile	R 62.00
129001-002	Rail Connectors - Eco 05	U-Connector ECO5 Complete	R 62.00
100001-001	Roof Hooks	ROOF HOOK UNIVERSAL KLICKTOP	R 307.00
100002-000	Roof Hooks - type 2	Roof hook Eco G	R 5.00
111110-200	Hanger Bolt (corrugated Iron)	200Fix. kit for corr. roofs 10x200 KlickTop	R 62.00
129004-000	Rail Cross Connector	KlickTop cross connector kit M8	R 62.00
150001-130	Mounting Angles for Flat roofs	Flat roof support Light U07 1.3m 30°	R 62.00
112012-001	Seam Clamp	Seam Clamp 540 AL KT for Kliplok 406/700	R 146.00
Nuts, bolts and screws			
943610-025	Bolts	Screw M10x20 hexagonal	R 5.00
943912-008	Nuts	Flange nut M8 with locking teeth Din603	R 5.00
943208-100	Wood Rafter Screws	Screw 8x100 VA flat head TORX	R 14.00
Nuts, bolts and screws from alternative supplier..			
	Bolts	M10x20mm Stainless steel	R 5.00
	Nuts	M10 Flange nut - Stainless steel	R 6.00
	Wood rafter screws	M8x90mm Coach Screw	R 2.00

Mounting Systems Complete

Tile Roof - 1kWp			
131002-000	End Clamps (small)	End Clamp Rapid2+ 30-39mm	R 59.00
131003-001	Middle Clamps (Large)	Middle Clamp Rapid2+ 40-50mm	R 42.00
120001-042	Rails - 4.2m - Eco 5	Module bearing profile - Eco5-4.2m	R 336.81
100001-001	Roof Hooks	ROOF HOOK UNIVERSAL KLICKTOP	R 307.00
	Bolts	M10x20mm Stainless steel	R 5.00
	Nuts	M10 Flange nut - Stainless steel	R 6.00

GES Services Pricelist



		Price
Labour - Assistant - Skilled		
	Per hour	R 65.00
	per Day	R 350.00
Labour - Solar Panel installation		
	Callout + First hour	R 510.00
	Per hour	R 155.00
	Per day	R 865.00
Labour - Management and supervision		
	Callout + First hour	R 510.00
	Per hour	R 350.00
	Per day	R 1 500.00
Labour - Consulting and training		
	Per hour	R 500.00
	Per day	R 1 900.00
Labour - Electrician		
	Callout + First hour	R 550.00
	Per hour	R 500.00
	Per day	R 2 640.00
Travel		
	JF - Bakkie - Ford Ranger	R 4.50
Install charges estimates		
	Rooftop 5 to 10kWp	R 4 000.00 per kWp
	Rooftop 10 to 20kWp	R 3 000.00 per kWp
	Rooftop 20 to 40kWp	R 2 000.00 per kWp
	Rooftop 40 to 80kWp	R 1 800.00 per kWp

Components - for installations



Description	Size	Incl VAT
Din Rail - 2 pole isolator - 60 A	60A	R 155.00
Din Rail - Earth leakage - 60A (No overload protection)	60A	R 490.00
Din Rail - Circuit Breaker - 20A	10A, 20A	R 120.00
Samite - 2 pole isolator -60A	60A	
Samite - Earth leakage -60A (No overload protection)	60A	R 893.00
Samite - Circuit Breaker - 20A	10A, 16A, 20A	R 181.00

GP Wire		
Description	Size	Incl VAT
1.5mm GP Wire	1.5mm	1000%
2.5mm GP Wire	2.5mm	1400%
4mm GP Wire	4mm	1000%
6mm GP Wire	6mm	25%
16mm GP Wire	16mm	25%
2.5 BCE	2.5mm	
4mm BCE	4mm	

Norsk Cable		
Description	Size	Incl VAT
2 +E - 4mm Norsk	4mm	R 29.00
4 + E - 2.5mm Norsk		

Battery Cable		
25mm	25mm	R 51.00
35mm	35mm	R 70.00

Armoured Cable		
Description	Size	Incl VAT
4 Core + E - 2.5mm	2.5mm	R 38.00
4 Core + E - 4 mm	4mm	R 53.00
Must run separate BCE - 2.5mm	2.5mm	R 5.00
Armoured Cable, 4 Core, 10mm	10mm	R 95.00
Armoured Cable, 4 Core, 50mm	50mm	R 350.00

GES Pricelist - Components - Page 2

DB Boards - Samite			
Description	Size	Incl VAT	
8 Way Surface Samite DB	8 Way	R	316.00
12 Way Surface Samite DB	12 Way	R	427.00
16 Way Surface Samite DB			
Busbar 3kVA Samite		R	92.00
Blanks Samite - 1			
Samite Adaptor Plate (old Samite to new)			
9Way din steel metal			
Metal Enclosure 400 x 300 x 200 (HxWxD)		R	9 690.00

DB Board - Din			
Description	Size	Incl VAT	
8Way Surface Din DB	8 Way	R	263.00
12Way Surface Din DB	12 Way	R	241.00
2 x 12Way Surface Din DB	24 Way	R	486.00
Busbar 3kVA Din		R	183.00
Blanks Din - 1	R	1.00	R 3.00

PVC Conduit			
Description	Size	Incl VAT	
20mm PVC - per Meter	20mm	R	4.00
25mm PVC - per Meter	25mm	R	6.00
20mm PV Bend	20mm	R	8.00

Galvanised Conduit			
Description	Size	Incl VAT	
25mm Galv Bosal Conduit - Per meter	25mm	R	35.00
25mm Galv Bosal Conduit Bends	25mm	R	50.00

Trunking			
Description	Size	Incl VAT	
25 x 16 Trunking (per meter)	25 x 16	R	10.00
40 x 25 Trunking (per meter)	40 x 25	R	17.00

Enclosures			
Description	Size	Incl VAT	
300 x 300 x 160deep		R	259.00

Crimp sleeve			
Description	Size	Incl VAT	
35mm Black - per meter		R	-

GES Pricelist - Components - Page 3

Components - Miscellaneous - Just for installations - Not for retail

Extractor fan			
Description	Size	Incl VAT	
22W Wall mounted extractor fan		R	675.00
Wall Duct Cover		R	370.00

Lugs			
Description	Size	Incl VAT	
Size 1 - 35mm x 10 mm		R	5.67
		R	-

Battery accessories			
Description	Size	Incl VAT	
Wood for under batteries		R	237.00
Rubber Mat underneath batteries			

Cable ties			
Description	Size	Incl VAT	
Wood for under batteries		R	237.00

Fuses			
Description	Size	Incl VAT	
Fuse holder - Din Rail mount		R	40.00
Fuse up to 32A		R	57.00
Fuse			

Our Suppliers



IBC SOLAR is a leading global specialist in PV systems, offering complete solutions for power production from solar energy. Globally, IBC SOLAR has already implemented more than 150,000 turnkey PV systems with a total power of more than 2.5 GWp. Its components and systems are traded over an extensive network of trade partners. Through maintenance and monitoring, IBC Solar ensures an optimal performance of the solar parks. IBC SOLAR was founded in 1982 in Bad Staffelstein, Germany, and employs around 300 people, of which approximately 200 work in Germany.



Enjoy the benefits of **SolarEdge** which allow maximum power production through module-level MPPT and accurate trouble-shooting through module-level monitoring, as well as the DC shutdown for installing and maintenance personnel and firefighters through SafeDC™. Founded in 2006, SolarEdge established the DC power optimizer segment and is leading it with over 70% market share. By Q2 2014, SolarEdge has shipped over 4 Mio power optimizers to more than 60 countries worldwide.



There is a global shift towards clean, safe and sustainable energy – and in South Africa, this shift has the potential to be a clean energy revolution.

Photovoltaic energy systems are able to cure some of South Africa's biggest energy problems:

Homes and businesses are able to generate their own **energy during power failures**

Solar energy (in most cases) is **cheaper than the grid**

People far from the national grid can **generate electricity on-site for free** from the sun

Cleaner energy will **reduce our carbon footprint** and negative impact on the climate (the average home burns the equivalent of 1 tonne of carbon every month for electricity)

If the human species is to secure a future on earth an energy revolution is required, and we at Green Energy Solutions are spearheading the #RooftopRevolution.

Free, safe, reliable energy from the sun for years and years (+25) to come. High quality products that when installed professionally are the most secure, reliable (and best performing) investment in your future.

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