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Renewable Energy Applications
Feasibility Studies – Technical Consulting - Sales
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NEW RETAIL PRICELIST March 2026

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PHOTOVOLTAIC- Renewable Energy Applications & Sales, Ellanikou 20, 116.35, Athens, Greece
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GENERAL INFORMATION

OUR COMPANY HAS MORE THAN 40 YEARS OF EXPERIENCE IN THE RENEWABLE ENERGY SOURCES (RES) FIELD WITH A SPECIAL FOCUS IN THE PHOTOVOLTAIC TECHNOLOGY AND HAS REALIZED A SERIES OF IMPORTANT PRIVATE AND PUBLIC SECTOR PROJECTS. PHOTOVOLTAIC'S INTEGRATED SERVICES AND APPLICATIONS INCLUDE CUSTOMIZED PACKAGED SYSTEMS FOR THE FIELDS OF RURAL ELECTRIFICATION, TELECOMMUNICATIONS, EDUCATION, WATER SUPPLY FACILITIES AND MUCH MORE. OUR CLIENTS INCLUDE AMONG OTHERS THE CIVIL AVIATION AUTHORITY, HELLENIC ARMY AND NAVY, NATIONAL TECHNICAL UNIVERSITY OF ATHENS, AGRICULTURAL UNIVERSITY OF ATHENS, TECHNICAL INSTITUTE OF ATHENS, SEVERAL MUNICIPALITIES, REMOTE MONASTERIES, PREFECTURE OF SOUTH AEGEAN ETC.

THE BUSINESS SERVICES OF THE COMPANY INCLUDE:

- SALES AND PROMOTION OF THE PRODUCTS OF SOLAR FABRIK, SIEMENS & SHELL Solar GmbH, STECA GmbH, ROLLS BARDEN UK, OUTBACK POWER SYSTEMS, STUDER INNOTECH SA., VICTRON B.V.
- CONDUCT TECHNICAL STUDIES, DOCUMENTATION AND DELIVERY OF TURN-KEY SOLUTION
- PRELIMINARY EVALUATION OF THE PROPOSED INSTALLATION PLACE, ENERGY PRODUCTION ESTIMATION AND SOLAR ENERGY POTENTIAL
- APPLICATIONS AND TECHNICAL REPORTS FOR THE CONNECTION TO THE GRID AND THE RELEVANT CONTRACTS WITH THE PPC
- DIMENSIONING AND PLANNING OF GRID CONNECTED AND OFF GRID RES POWER STATIONS
- RESEARCH AND DEVELOPMENT OF SPECIALIZED RES APPLICATIONS AND SOFTWARE
- TECHNICAL CUSTOMER SUPPORT AND CONSULTING BEFORE AND AFTER THE COMPLETION OF THE PROJECTS
- OPERATION, MONITORING AND MAINTENANCE OF LARGE SCALE PV SYSTEMS

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SOLAR MODULES FOR GRID CONNECTED SYSTEMS

Aluminum frame, up to 25 years performance guarantee and 3% higher performance than polycrystalline frames.

TYPE	Frame	Back	SPECIFICATIONS	PRICE €	CODE
Solar Fabrik Mono S4 Halfcut 415	Black	White or Black film	Power: 410 Wp – 0 %/+3 % V _{oc} =37,66 V I _{sc} : 13,66 A Cells=108 Dimensions: 1724x1134x30mm Weight: 21,5 kg	83,00	ΦB-0548
Solar Fabrik Mono S4 Halfcut Tred Full Black Glass-Glass 445W	Black	White or Black film	Power: 445 Wp – 0 /+5W V _{oc} =39,1 V I _{sc} : 14,4 A Cells=108 Dimensions: 1762 x 1134 x 30 mm Weight: 24,9 kg	175.00	
Mono S4 Innovation Powerline N Bifacial	Silver, Black	Bifacial cell	Power: 415 Wp – 0 %/+3 % V _{oc} =38,45 V I _{sc} : 13,77 A Cells=108 Dimensions: 1724x1134x30mm Weight: 23,7 kg	95,00	ΦB-0547

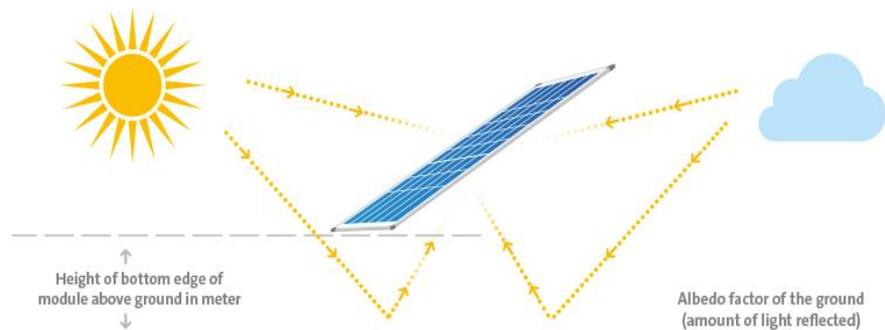


**The above prices are valid for 1-30 panels (1 pallet = 30 panels). For 2 pallets there is a discount of 2.5% and for 3 pallets there is a 4.5% discount. For larger quantities contact us for prices.*

Solar Fabrik Double-Glass Bifacial

HIGH PERFORMANCE FROM EACH SIDE

The new Solar Fabrik Double Glass Bifacial, thanks to the latest cellular technology, achieves up to 30% higher efficiency per installed kWp. The high-performance duo cells, with their active rear surface, convert solar radiation from all directions into electricity. Also, the use of glass on the front and back, makes the PV frame extremely resistant to time and mechanical loads. It is especially suitable for free surfaces and flat roofs. The brighter the background, the more light is reflected in the PV panel, further increasing electricity generation.



SOLAR MODULES FOR STAND ALONE SYSTEMS-GERMANY

Aluminum Frame, 25 years warranty

TYPE		SPECIFICATIONS	PRICE €	CODE
	Photovoltaic Solar Modules 200	Power: 200 Wp Voltage:24V Imp : 5,45 A Dimensions: 1500 x 668 x 35 mm Weight: 12 kg	160,00	ΦB-0586
	Photovoltaic Solar Modules 100	Power: 100 Wp Voltage:12V Imp : 5,52 A Dimensions: 1000 x 670 x 30 mm Weight: 8 kg	115,00	ΦB-0585
	Photovoltaic Solar Modules 50	Power: 50 Wp Voltage:12V Imp : 2,93 A Dimensions: 540 x 670 x 30 mm Weight: 4,2 kg	70,00	ΦB-0584
	Photovoltaic Solar Modules 20	Power: 20 Wp Voltage:12V Imp : 1,13 A Dimensions: 480x350x25 mm Weight: 2 kg	49,00	ΦB-0583
	Photovoltaic Solar Modules 10	Power: 10 Wp Voltage:12V Imp : 0,57 A Dimensions: 340x250x17 mm Weight: 1 kg	44,00	ΦB-0582
	Photovoltaic Solar Module 5	Power: 5 Wp Voltage:12V Imp : 0.30 A Dimensions: 255x255x34 mm Weight: 1 kg	30,00	ΦB-0162

ΗΜΙ-ΕΥΚΑΜΠΤΕΣ ΦΩΤΟΒΟΛΤΑΪΚΕΣ ΓΕΝΗΤΡΙΕΣ ΑΥΤΟΝΟΜΩΝ ΣΥΣΤΗΜΑΤΩΝ

TYPE		SPECIFICATIONS	PRICE €	CODE
	Semi Flex Solar Modules Mono 200 by Photovoltaic	Power: 200 Wp Voltage:12V Imp : 9,72A Dimensions: 720 x 1595 x 2,5 mm Weight: 3,92 kg	310,00	ΦB-0589
	Semi Flex Solar Modules Mono 100 by Photovoltaic	Power: 100 Wp Voltage:12V Imp : 4,86 A Dimensions: 720 x 838 x 2,5 mm Weight: 2,25 kg	158,00	ΦB-0587
	Semi Flex Solar Modules Mono 50 by Photovoltaic	Power: 50 Wp Voltage:12V Imp : 2,43 A Dimensions: 384 x 856 x 2,5 mm Weight: 1,1 kg	86,00	ΦB-0588

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GROUND MOUNT FOR PV MODULES

Galvanized in heat steel (pile width: 3mm), tilt angle adjustment ability for the best seasonal performance of PV generators..

TYPE	SPECIFICATIONS	PRICE €	CODE
	GROUND MOUNT SMALL Length: 1,0m Suitable for 2 P/V modules 50Wp, 80Wp or 1 P/V module 100Wp – 200Wp	82,00	BA-0001
	GROUND MOUNT LARGE Length: 1,70m Suitable for 1 P/V module 280Wp – 400 Wp or 2 P/V modules 200Wp ή 3 P/V modules 50Wp – 100Wp	106,00	BA-0002
	GROUND MOUNT SUPER Length: 2,10m Suitable for 2 P/V modules 200Wp-410Wp	185,00	BA-0003

SOLAR CHARGE CONTROLLERS STECA – Germany

SERIES SOLSUM F, led indicator, programmable nightlight function

TYPE	SPECIFICATIONS	PRICE €	CODE
	Solsum 06.06 Voltage: 12/24V Maximum Charging Current: 6 A	23,00	PΦ-0003
	Solsum 08.08 Voltage: 12/24V Maximum Charging Current: 8 A	29,00	PΦ-0002
	Solsum 10.10 Voltage: 12/24V Maximum Charging Current: 10 A	37,00	PΦ-0085

SERIES SOLSUM, led indicator, programmable nightlight function. USB port for charging mobiles and tablets.

TYPE	SPECIFICATIONS	PRICE €	CODE
	Solsum 2525 Voltage: 12/24V Maximum Charging Current: 25 A USB: 5 V / 1.5 A	73,00	PΦ-0087
	Solsum 4040 Voltage: 12/24V Maximum Charging Current: 40 A USB: 5 V / 1.5 A	88,00	PΦ-0088

SERIES SOLARIX PRS, LED indicator, pulse width modulation, programmable nightlight function

TYPE	SPECIFICATIONS	PRICE €	CODE
	PRS 1010 Voltage: 12/24V Maximum Charging Current: 10 A	50,00	PΦ-0060
	PRS 1515 Voltage: 12/24V Maximum Charging Current: 15 A	53,00	PΦ-0061
	PRS 2020 Voltage: 12/24V Maximum Charging Current: 20 A	60,00	PΦ-0062
	PRS 3030 Voltage: 12/24V Maximum Charging Current: 30 A	78,00	PΦ-0063

ΣEIPA SOLARIX, liquid crystal display, programmable nightlight function. USB port for charging mobiles and tablets.

TYPE	SPECIFICATIONS	PRICE €	CODE
	Solarix 2525 Voltage: 12/24V Maximum Charging Current: 25 A USB: 5 V / 1.5 A	113,00	PΦ-0101
	Solarix 4040 Voltage: 12/24V Maximum Charging Current: 40 A USB: 5 V / 1.5 A	134,50	PΦ-0102

SERIES PR, liquid crystal display, programmable nightlight function, pulse width modulation.

TYPE	SPECIFICATIONS	PRICE €	CODE
	PR1010 Voltage: 12/24V Maximum Charging Current: 10 A	77,00	PΦ-0005
	PR1515 Voltage: 12/24V Maximum Charging Current: 15 A	85,00	PΦ-0006
	PR2020 Voltage: 12/24V Maximum Charging Current: 20 A	96,00	PΦ-0007
	PR3030 Voltage: 12/24V Maximum Charging Current: 30 A	116,00	PΦ-0035

Steca Duo Charge Controllers

Ability to charge two types of battery at the same time

TYPE	SPECIFICATIONS	PRICE €	CODE
 Solar Charge Controller Steca Duo Charge	Voltage: 12/24V Maximum Charging Current: 20 A	137,00	PΦ-0106

TAROM SERIES, liquid crystal display, programming of system functions.

TYPE	SPECIFICATIONS	PRICE €	CODE
	TAROM 4545 Voltage: 12/24V Maximum Charging Current: 45 A Output current: 45 A	281,00	PΦ-0030
	TAROM 4545-48 Voltage: 48V Maximum Charging Current: 45 A Output current: 45 A	310,00	PΦ-0084

WESTERN WRM SERIES, LCD monitor, automatic system detection, 18 load management programs.

TYPE	SPECIFICATIONS	PRICE €	CODE
 WRM-20 Με λειτουργία MPPT	Voltage: 12/24V Maximum Charging Current: 20 A Maximum Voltage: 100V Maximum Power Φ/B Πάνελ: 12V/310W, 24V/620W	134,00	PΦ-0117

SOLARIX MPPT SERIES, LED indicator, possibility of night operation, pulse width modulation and MPPT.

TYPE	SPECIFICATIONS	PRICE €	CODE
	SOLARIX 1010 MPPT Voltage: 12 V / 24 V Maximum Charging Current: 10 A Maximum Voltage 75 V Maximum Power PV module: 125W(12V)-250W(24V)	120,00	PΦ-0090
	SOLARIX 3020 MPPT Voltage: 12V/24 V Maximum Charging Current: 30 A Maximum Voltage: 100 V Maximum Power PV module: 450W(12V)-900W(24V)	168,00	PΦ-0113
	SOLARIX 5020 MPPT Voltage: 12V/24V/48V Maximum Charging Current: 50A Maximum Voltage: 150V Maximum Power PV module: 750W(12V)-1500W(24V)-3000(48V)	340,00	PΦ-0114

ΣΕ ΕΙΔΙΚΗ ΤΙΜΗ:

ΤΥΠΟΣ	ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ	ΤΙΜΗ €	ΚΩΔΙΚΟΣ
	TAROM 440 System Voltage: 48V Maximum Charging Current: 40 A Output Current: 40 A	250,00	PΦ-0048
ΤΥΠΟΣ	ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ	ΤΙΜΗ €	ΚΩΔΙΚΟΣ
	PR 0505 System Voltage: 12V Maximum Charging Current: 5 A	30,00	PΦ-0009
	PI SLX0606 System Voltage: 12/24V Maximum Charging Current: 6A	40,00	
	PI SLX1010 System Voltage: 12/24V Maximum Charging Current: 10A	45,00	PΦ-0004

**Power Tarom SERIES, with LCD display,
IP protection: IP 65, and microprocessor.**

TYPE	SPECIFICATIONS	PRICE €	CODE
	POWER TAROM 2070 Voltage: 12/24V Maximum Charging Current: 70A Output current: 70 A	1.107,00	PΦ-0066
	POWER TAROM 2140 Voltage: 12/24V Maximum Charging Current: 140 A Output current: 70 A	1.431,00	PΦ-0047
	POWER TAROM 4055 Voltage: 48V Maximum Charging Current: 55 A Output current: 55 A	1.431,00	PΦ-0111
	POWER TAROM 4110 Voltage: 48 V Maximum Charging Current: 110 A Output current: 55 A	1.622,00	PΦ-0067
	POWER TAROM 4140 Voltage: 48V Maximum Charging Current: 140 A Output current: 70 A	1.860,00	PΦ-0068

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Tarom MPPT SERIES, with LCD display, datalogger, 2 MPP trackers (for different inclinations and types of frames)

TYPE		SPECIFICATIONS	PRICE €	CODE
	Tarom MPPT 6000-S	Type: Tarom MPPT 6000 Manufacturer: Steca GmbH (Germany) Voltage battery: 12,24,48 V Maximum voltage input (Open circuit voltage Voc PV module): 200 VDC Input current 2X30 A Charging current: 60 A Power PV module: 900W(12V)/1800W(24V)/3600W(48V) MPPT: 2 Dimensions: 294 x 335 x 125 mm Weight: 6,3 kg Warranty: 5 years	596,00	PΦ-0100
	Tarom MPPT 6000-M	Type: Tarom MPPT 6000 Manufacturer: Steca GmbH (Germany) Voltage battery: 12,24,48 V Maximum voltage input(Open circuit Voltage Voc PV module): 200 VDC Input current 1X60 A Charging current: 60 A Power PV module: 900W(12V)/1800W(24V)/3600W(48V) MPPT: 2 Three configurable multifunctional contacts for... • ... programmable deep discharge protection (LVD) • ... generator/surplus manager • ... automatic switch functions (day, evening, night) Dimensions: 294 x 335 x 125 mm Weight: 6,3 kg Warranty: 5 years	902,00	PΦ-0081



CHARGE CONTROLLERS VICTRON, The Netherlands

MPPT function

TYPE	SPECIFICATIONS	PRICE €	CODE	
	VICTRON BLUE SOLAR MPPT 75/15	Voltage: 12/24V Maximum Charging Current: 15A Maximum panel voltage: 75V Maximum Power PV module: 220W(12V) / 440W(24V) Bluetooth	107,00	PΦ-0110
	VICTRON BLUE SOLAR MPPT 100/15	Voltage: 12/24V Maximum Charging Current: 15A Maximum panel voltage: 100V Maximum Power PV module: 220W(12V) / 440W(24V) Bluetooth	131,00	
	VICTRON BLUE SOLAR MPPT 100/20	Voltage: 12/24/48V Maximum Charging Current: 20A Maximum panel voltage: 100V Maximum Power PV module: 290W(12V) / 500W(24V) / 1160W(48V) Bluetooth	154,00	PΦ-0124
	VICTRON BLUE SOLAR MPPT 150/35	Voltage: 12/24/48V Maximum Charging Current: 35A Maximum panel voltage: 150V Maximum Power PV module: 500W(12V) / 1000W(24V) / 2000W(48) Bluetooth	357,00	PΦ-0120
	VICTRON SMART SOLAR MPPT 150/100-Tr	Voltage: 12/24/48V Maximum Charging Current: 100A Maximum panel voltage: 150V Maximum Power PV module: 1450W(12V) / 2900W(24V) / 5800W(48) Bluetooth	927,00	PΦ-0121

CHARGE CONTROLLERS OUTBACK, USA

MPPT function, Liquid Crystal Display, programmable system functions

TYPE	SPECIFICATIONS	PRICE €	CODE	
	OUTBACK FLEXmax 80	Type: FLEXmax80 – FM80-150VDC Manufacturer: Outback Power Systems (USA) Voltage battery: 12,24,36,48,60 V Maximum voltage input(Voltage Voc PV module): 150 VDC Operation current: 80 A Self consumption in standby mode (standby): 1 Watt Data logging: Data storage of the last 128 days Maximum Power PV module: 12 VDC systems 1000 Watts / 24 VDC systems 2000 Watts / 48 VDC systems 4000 Watts Dimensions: 413 x 146 x 114 mm Weight: 5,53 kg Warranty: 5 years	927,00	PΦ-0069
	OUTBACK FLEXmax 60	Type: FLEXmax60 – FM60-150VDC Manufacturer: Outback Power Systems (USA) Voltage battery: 12,24,36,48,60 V Maximum voltage input(Voltage ανοιχτού κυκλώματος Voc PV module): 150 VDC Operation current: 60 A Self consumption in standby mode (standby): 1 Watt Data logging: Data storage of the last 128 days Maximum Power PV module: 12 VDC systems 750 Watts / 24 VDC systems 1500 Watts / 48 VDC systems 3000 Dimensions: 350 x 146 x 114 mm Weight: 5,3 kg Warranty: 5 years	854,00	PΦ-0050

	<p>OUTBACK FLEXmax Micro FM 40</p>	<p>Type: Micro FM40 Manufacturer: Outback Power Systems (USA) Voltage battery: 12,24 V Maximum voltage input (Open circuit voltage Voc PV module): 150 VDC Operation current: 40 A Maximum Power PV module: 12 VDC systems 520 Watts / 24 VDC systems 1040 Watts Dimensions: 303X183X64 mm Weight: 2,9 kg Warranty: 2 years</p>	<p>377,00</p>	<p>PΦ-0103</p>
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INVERTERS OUTBACK USA for stand alone PV systems

Pure sine wave voltage output, integrated battery charger, led indicators, remote control, parallel & three-phase operation, possibility of factory assembly of 1 to 4 converters with DC - AC panel

SERIES OutBack FXR WITH BUILT-IN BATTERY CHARGER
Cooling with heat extraction (Sealed)

TYPE	SPECIFICATIONS	PRICE €	CODE
	<p>OUTBACK FXR 2012 E Battery Charger 100 A</p> <p>Power: 2000 VA Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 210 x 290 x 410mm Cooling: closed circuit Weight: 29 kg</p>	<p>2.508,00</p>	<p>IN-0154</p>
	<p>OUTBACK FXR 2024 E Battery Charger 55 A</p> <p>Power: 2000 VA Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 210 x 290 x 410mm Cooling: closed circuit Weight: 29 kg</p>	<p>2.556,00</p>	<p>IN-0183</p>
	<p>OUTBACK FXR 2348 ET Battery Charger 35 A</p> <p>Power: 2300 VA Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Cooling: closed circuit Dimensions: 210 x 290 x 410mm Weight: 29 kg</p>	<p>2.793,00</p>	<p>IN-0184</p>

SERIES OutBack VFXR WITH BUILT-IN BATTERY CHARGER
Cooling with rush air flow (Vented)

TYPE	SPECIFICATIONS	PRICE €	CODE
	<p>OUTBACK VFXR 2612 E Battery Charger 120 A</p> <p>Power: 2600 VA Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 210x290x410 mm Cooling: rush air flow Weight: 28kg</p>	<p>2.597,00</p>	<p>IN-0153</p>
	<p>OUTBACK VFXR 3024 E Battery Charger 80 A</p> <p>Power: 3000 VA Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 210x290x410 mm Cooling: rush air flow Weight: 28kg</p>	<p>2.626,00</p>	<p>IN-0141</p>
	<p>OUTBACK VFXR 3048 E Battery Charger 40 A</p> <p>Power: 3000 VA Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 210x290x410 mm Cooling: rush air flow Weight: 28kg</p>	<p>2.632,00</p>	<p>IN-0185</p>

**SERIES OutBack FLEXpower TWO Systems
(master – slave)**

TYPE		SPECIFICATIONS	PRICE €	CODE
	OUTBACK FLEXpower TWO VFX 3024E 6kVA/24V Battery Charger 84 A	Power: 6kVA Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 514x1181x330 mm Weight: 105kg	11.859,00	IN-0366
	OUTBACK FLEXpower TWO VFX 3048E 6kVA/48V Battery Charger 84 A	Power: 6kVA Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 514x1181x330 mm Weight: 105kg	11.859,00	IN-0367

OUTBACK INVERTERS ACCESSORIES

TYPE	PRICE €	CODE
Programmable LCD display (MATEmicro)	51,00	
Programmable LCD display - Internet/Ethernet RJ45 (Mate 3s)	422,00	IN-0372
Battery temperature sensor	14,00	IN-0140
Outback DC Monitor System (Flex Net)	353,00	IN-0193
Communication Manager Outback Hub 4	128,00	IN-0260
Communication Manager Outback Hub 10.3	186,00	IN-0182

INVERTERS COTEK for stand alone PV systems
Pure sine wave voltage output, possibility of remote activation

TYPE		SPECIFICATIONS	PRICE €	CODE
	SP 1000-12	Power: 1000W Voltage input(DC): 12 Voltage output (AC): 230V 50Hz Dimensions: 200x83x372mm Weight: 3,26kg	376,00	IN-0052 IN-0055
	SP 3000-212	Power: 3000W Voltage input(DC): 12 Voltage output (AC): 230V 50Hz Dimensions: 442X158X255mm Weight: 8,20kg	1.107,00	
	Remote control 12/24V ON – OFF		34,00	IN-0051
	Remote control 12/24V ON – OFF with indication		77,00	IN-0050

INVERTER / CHARGERS VICTRON

For stand alone PV systems suitable for charging Li-Ion batteries

TYPE	SPECIFICATIONS		PRICE €	CODE
  	Multiplus Compact C-12/800/35-16	Power: 800W Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 375x214x110 Weight: 10kg Charging current : 35 A	973,00	IN-3029
	Multiplus Compact C-12/1200/50-16	Power: 1200W Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 375x214x110 Weight: 10kg Charging current : 50 A	1.219,00	IN-3030
	Multiplus Compact C-12/1600/70-16	Power: 1600W Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 375x214x110 Weight: 10kg Charging current : 70 A	1.246,00	IN-3031
	Multiplus Compact C-12/2000/80-30	Power: 2000W Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 520x255x125 Weight: 12kg Charging current : 80 A	1.556,00	IN-3032
	Multiplus Compact C-24/1600/40-16	Power: 1600W Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 375x214x110 Weight: 10kg Charging current : 40 A	1.246,00	IN-3033
	Multiplus Compact C-48/3000/35-50	Power: 3000W Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 362x258x218 Weight: 18kg Charging current : 35 A	1.828,00	IN-1041
	Multiplus Compact C-48/5000/70-100	Power: 5000W Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 444x328x240 Weight: 30kg Charging current : 70 A	2.610,00	IN-3034

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INVERTERS STECA for stand alone PV systems.

Pure sine wave voltage output, possibility of parallel connection up to 4 inverters, low self-consumption - standby power adjustment

With solar charge controller & battery charger

TYPE	SPECIFICATIONS	PRICE €	CODE
 	Steca Solarix PLI 1000-12 Power: 1000VA, 2000VA/5sec Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Maximum Power PV module: 550W Maximum voltage input(Voc PV): 100 VDC Charging current PV: 40 A Charging current AC: 10 A Dimensions: 243x331x115 Weight: 6,9kg	560,00	IN-1044
	Steca Solarix PLI 2400-24 Power: 3000VA, 6000VA/5sec Voltage input(DC): 24V Voltage output (AC): 220V...240V 50Hz Maximum Power PV module: 1168W Maximum voltage input(Voc PV): 100 VDC Charging current PV: 40 A Charging current AC: 30 A Dimensions: 275x385x114 Weight: 7,6kg	1.050,00	IN-1032
	Steca Solarix PLI 5000-48 Power: 5000VA, 10000VA/5sec Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Maximum Power PV module: 4800W Maximum voltage input(Voc PV): 145 VDC Charging current PV: 80 A Charging current AC: 60 A Dimensions: 298x469x130 Weight: 11,5kg	1.379,00	IN-1001
	Solarix PLI 3ph./parallel kit Parallel kit Steca Solarix PLI	175,00	IN-1028
	Fernlite wifi RS232 wifi PLI inverter Operating system : Linux Processor model : HF-LPT230 Rated voltage : 5-36 VDC Maximum operating power : 1.8 W Operating temperature : -40 °C to +85 °C Storage temperature range : -45 °C to +105 °C / 5 to 95 % RH Dimensions : 27 x 17.8 x 68.5 mm product weight : 35 g (with antenna)	176,00	IN-2334

PURE SINE WAVE INVERTERS – BATTERY CHARGERS STECA-STUDER AJ

Option for parallel connection for 1-phase or 3-phase operation.

TYPE	SPECIFICATIONS	PRICE €	CODE
	Steca-AJ 275-12V Power: 200 W. cont/ 275 30min Voltage input(DC): 12V Voltage output (AC): 230V 50Hz	421,00	
	Steca-AJ 350-24 V Power: 300W .cont/ 350 30min Voltage input(DC): 24V Voltage output (AC): 230V 50Hz	452,00	
	Steca-AJ 400-48V Power: 300W.cont / 400 30min Voltage input(DC): 48V Voltage output (AC): 230V 50Hz	490,00	
	Steca-AJ 700-48V Power: 500W.cont / 700 30min Voltage input(DC): 48V Voltage output (AC): 230V 50Hz	842,00	

INVERTERS – BATTERY CHARGERS STECA - STUDER XTH

Option for parallel connection for 1-phase or 3-phase operation.

TYPE	SPECIFICATIONS	PRICE €	CODE
	Steca-Studer XTH 3000-12 Battery Charger 160 A Power: 2500 VA /3000VA 30min./7500VA 5sec. Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 220x300x500mm Weight: 34,00kg	5.431,00	IN-0214
	Steca-Studer XTH 5000-24 Battery Charger 140 A Power: 4500 VA /5000VA 30min./12000VA 5sec Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 220x300x500mm Weight: 40,00 kg	6.043,00	IN-0215
	Steca-Studer XTH 6000-48 Battery Charger 100 A Power: 5000 VA /6000VA 30min./15000VA 5sec Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 220x290x500mm Weight: 42,00kg	6.778,00	IN-0216
	Steca-Studer XTH 8000-48 Battery Charger 120 A Power: 7000 VA /8000VA 30min./21000VA 5sec Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 220x300x500mm Weight: 46,00kg	8.262,00	IN-0217

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INVERTERS – BATTERY CHARGERS STECA - STUDER XTS

Option for parallel connection for 1-phase or 3-phase operation

TYPE		SPECIFICATIONS	PRICE €	CODE
	Steca-Studer XTS 900-12 Battery Charger 35 A	Power: 500 VA /700VA 30min./2300VA 5sec Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 110mmx210mmx10mm Weight: 8,20 kg	1.958,00	IN-3037
	Steca-Studer XTS 1200-24 Battery Charger 25 A	Power: 650 VA /1000VA 30min./2500VA 5sec Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 110mmx210mmx310mm Weight: 9,00 kg	2.050,00	IN-3038
	Steca-Studer XTS 1400-48 Battery Charger 12 A	Power: 750 VA /1200VA 30min./2800VA 5sec Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 110mmx210mmx310mm Weight: 9,30 kg	2.080,00	IN-3039

INVERTERS – BATTERY CHARGERS STECA - STUDER XTM

Option for parallel connection for 1-phase or 3-phase operation

TYPE		SPECIFICATIONS	PRICE €	CODE
	Steca-Studer XTM 1500-12 Battery Charger 70 A	Power: 1500 VA /1500VA 30min./3400VA 5sec Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 133x322x466mm Weight: 15,00kg	3.106,00	IN-3039
	Steca-Studer XTM 2000-12 Battery Charger 100 A	Power: 2000 VA /2000VA 30min./4800VA 5sec Voltage input(DC): 12V Voltage output (AC): 230V 50Hz Dimensions: 133x322x466mm Weight: 18,50kg	3.595,00	IN-0256
	Steca-Studer XTM 2400-24 Battery Charger 55 A	Power: 2000 VA /2600VA 30min./6500VA 5sec Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 133x322x466mm Weight: 16,20 kg	3.106,00	IN-0381
	Steca-Studer XTM 2600-48 Battery Charger 30 A	Power: 2000 VA /2400VA 30min./6000VA 5sec Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 133x322x466mm Weight: 16,20 kg	3.106,00	IN-3040
	Steca-Studer XTM 3500-24 Battery Charger 90 A	Power: 3000 VA /3500VA 30min./9000VA 5sec Voltage input(DC): 24V Voltage output (AC): 230V 50Hz Dimensions: 133x322x466mm Weight: 21,20 kg	3.641,00	IN-0257
	Steca-Studer XTM 4000-48 Battery Charger 50 A	Power: 3500 VA /4000VA 30min./10500VA 5sec Voltage input(DC): 48V Voltage output (AC): 230V 50Hz Dimensions: 133x322x466m Weight: 22,90kg	3.672,00	IN-0258
	Steca-Studer RCC-02	Programmable LCD display	268,00	IN-0274

➤ **Due to currency fluctuations the above prices may vary**
➤ **Please contact us before you place an order**

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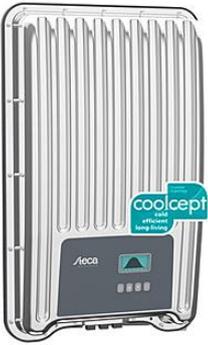
SMALL WIND TURBINES

Ideal for standalone systems and in combination with photovoltaic (PV) generators. Aerodynamic blade design for protection against strong winds and maximum performance in low wind conditions.

ΤΥΠΟΣ	ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ	ΤΙΜΗ €	ΚΩΔΙΚΟΣ
	<p>Bornay Wind Turbine WIND 13+</p> <p>Power: 1000W Rated wind speed: 12 m/s Cut-in wind speed: 3.18 m/s System voltage: 12V / 24V / 48V Swept area diameter: 2.65 m Includes built-in charge controller (MPPT Battery Charge Controller) Number of blades: 2 Dimensions: 50.8 x 59.7 x 19.0 cm Weight: 30 kg Made in Spain</p>	8.010,00	
	<p>Bornay Wind Turbine WIND 25,2+</p> <p>Power: 3000W Rated wind speed: 12 m/s Cut-in wind speed: 3.18 m/s System voltage: 12V / 24V / 48V Swept area diameter: 4.05 m Includes built-in charge controller (MPPT Battery Charge Controller) Number of blades: 2 Dimensions: 50.8 x 59.7 x 19.0 cm Weight: 35 kg Made in Spain</p>	10.245,00	
	<p>Bornay Wind Turbine WIND 25,3+</p> <p>Power: 5000W Rated wind speed: 12.5 m/s Cut-in wind speed: 3.58 m/s System voltage: 12V / 24V / 48V Swept area diameter: 4.05 m Includes built-in charge controller (MPPT Battery Charge Controller) Number of blades: 3 Dimensions: 50.8 x 59.7 x 19.0 cm Weight: 35 kg Made in Spain</p>	13.680,00	

INVERTERS STECA, GERMANY

For grid connected PV systems (Manufacturer's Warranty: 5 χρόνια)

TYPE	SPECIFICATIONS	PRICE €	CODE
	StecaGrid 1500 * Power output (AC): 1.500W Maximum Power input: 1.540 Wp Voltage input(DC): 75-350V Maximum current input 11,5 A Dimensions: 340 x 608 x 222 mm Weight: 8,30kg Efficiency ≥ 98%	778,00	IN-0404
	StecaGrid 1511 * Outdoor(IP65) Power output (AC): 1500 W Maximum Power input: 1.540 W Voltage input(DC): 75-360V Maximum current input 13,0 A Dimensions: 399 x 657 x 227 mm Weight: 12,6 kg Efficiency ≥ 98%	878,00	IN-3041
	StecaGrid 2011 * Outdoor(IP65) Power output (AC): 2000 W Maximum Power input: 2.050 W Voltage input(DC): 75-360V Maximum current input 13,0 A Dimensions: 399 x 657 x 227 mm Weight: 12,6 kg Efficiency ≥ 98%	930,00	IN-3042
	StecaGrid 2511 * Outdoor(IP65) Power output (AC): 2500 W Maximum Power input: 2.560 W Voltage input(DC): 75-360V Maximum current input 13,0 A Dimensions: 399 x 657 x 227 mm Weight: 12,6 kg Efficiency ≥ 98%	1.021,00	IN-3043
	StecaGrid 3011 * Outdoor(IP65) Power output (AC): 3.000 W Maximum Power input: 3.070 W Voltage input(DC): 125-600V Maximum current input 13,0 A Dimensions: 399 x 657 x 222 mm Weight: 13,80 kg Efficiency ≥ 98%	1.107,00	IN-3011
	StecaGrid 3011_2 * Outdoor(IP65) Power output (AC): 3.000 W Maximum Power input: 3.070 W Voltage input(DC): 125-600V Maximum current input (2x)13,0 A Dimensions: 399 x 657 x 227 mm Weight: 14,00 kg Efficiency ≥ 98% 2 MPPT	1.202,00	IN-3044
	StecaGrid 3611 * Outdoor(IP65) Power output (AC): 3.680 W Maximum Power input: 3.770 Wp Voltage input(DC): 150-600V Maximum current input 13,0 A Dimensions: 399 x 657 x 222 mm Weight: 13,80 kg Efficiency ≥ 98%	1.202,00	IN-3045
	StecaGrid 3611_2 * Outdoor(IP65) Power output (AC): 3.680 W Maximum Power input: 3.770 Wp Voltage input(DC): 150-600V Maximum current input (2x)13,0 A Dimensions: 399 x 657 x 222 mm Weight: 14,00 kg Efficiency ≥ 98% 2 MPPT	1.297,00	IN-1035
	StecaGrid 4611_2 * Outdoor(IP65) Power output (AC): 4.600 W Maximum Power input: 4.740 Wp Voltage input(DC): 150-600V Maximum current input (2x)13,0 A Dimensions: 399 x 657 x 222 mm Weight: 12,00 kg Efficiency ≥ 98,6% 2 MPPT	1.388,00	IN-0368
StecaGrid 5011_2 Outdoor(IP65) Power output (AC): 5.000 W Maximum Power input: 5.200 Wp Voltage input(DC): 150-600V Maximum current input (2x)13,0 A Dimensions: 399 x 657 x 222 mm Weight: 13,00 kg Efficiency ≥ 98,6% 2 MPPT	1.450,00	IN-3052	

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  <p>98.6% peak efficiency coolcept cold efficient long-living</p> <p>Quality made in Germany</p>	StecaGrid 4213 * 3-phase, 2 MPPT, with monitoring system	Power output (AC): 4.200 W Maximum Power input: 4.330 W Voltage input(DC): 120-720 V Maximum current input (2x)13 A Dimensions: 563 x 405 x 233 mm Efficiency ≥ 97,1% Weight: 17,90 kg	1.670,00	IN-3046
	StecaGrid 3213 * 3-phase	Power output (AC): 3.200 W Maximum Power input: 3.300 W Voltage input(DC): 250-800 V Maximum current input 11 A Dimensions: 340 x 608 x 222 mm Efficiency ≥ 97% Weight: 10,00 kg	1.455,00	IN-0410
	StecaGrid 4013 * 3-phase	Power output (AC): 4.000 W Maximum Power input: 4.100 W Voltage input(DC): 250-800 V Maximum current input 11 A Dimensions: 340 x 608 x 222 mm Efficiency ≥ 97% Weight: 10,00 kg	1.584,00	IN-0408
	StecaGrid 5013 * 3-phase	Power output (AC): 5.000 W Maximum Power input: 5.110 W Voltage input(DC): 250-800 V Maximum current input 11 A Dimensions: 340 x 608 x 222 mm Efficiency ≥ 98% Weight: 10,00 kg	1.703,00	IN-0428
	StecaGrid 6013 * 3-φάσεις, κατάλληλοι για συστήματα με συσσωρευτές	Power output (AC): 6.000 W Maximum Power input: 6.130 W Voltage input(DC): 250-800 V Maximum current input 11 A Dimensions: 340 x 608 x 222 mm Efficiency ≥ 98% Weight: 10,00 kg	1.803,00	IN-0429
Accessories Monitoring-Telemetry - Wired connection for indoors applications				
StecaGrid Vision	LCD display		261,00	IN-0183

* Free extension Warranty of 2 additional years, free online monitoring via the web-portal

INVERTERS KACO, GERMANY

For grid connected PV systems (Manufacturer's Warranty: 5 χρόνια)

TYPE	SPECIFICATIONS	PRICE €	CODE
	KACO 8 NX3 * Power output (AC): 8000 W Maximum Power input: 12000 W Voltage input (DC): 125-1100 V Maximum current input: 20 A Dimensions: 503 x 435 x 183 mm Weight: 17,30kg Efficiency ≥ 98.3%	2.046,00	IN-3082
	KACO 10 NX3 * Power output (AC): 10000 W Maximum Power input: 15000 W Voltage input (DC): 125-1100 V Maximum current input: 20 A Dimensions: 503 x 435 x 183 mm Weight: 17,3 kg Efficiency ≥ 98.3%	2.262,00	IN-5045

INVERTERS KOSTAL, GERMANY

For grid connected PV systems (*Manufacturer's Warranty: 5 years*)

TYPE	SPECIFICATIONS	PRICE €	CODE
 	PIKO 12	Power output (AC): 12.000W Maximum Power input: 18.000Wp Voltage input(DC): 160-1000V Maximum current input: 25 A Dimensions: 445 x 580 x 248 mm Weight: 37,5 kg Efficiency ≥ 98,2%	3.282,00
	PIKO 15	Power output (AC): 15.000W Maximum Power input: 22.500Wp Voltage input(DC): 160-1000V Maximum current input 25 A Dimensions: 540 x 700 x 265 mm Weight: 48,5 kg Efficiency ≥ 98,2%	3.422,00
	PIKO 17	Power output (AC): 17.000W Maximum Power input: 25.500Wp Voltage input(DC): 160-1000V Maximum current input: 25 A Dimensions: 540 x 700 x 265 mm Weight: 48,5 kg Efficiency ≥ 98,2%	3.530,00
	PIKO 20	Power output (AC): 20.000W Maximum Power input: 30.000Wp Voltage input(DC): 160-1000V Maximum current input 25 A Dimensions: 540 x 700 x 265 mm Weight: 48,5 kg Efficiency ≥ 98,2%	3.636,00
	PIKO CI 30	Power output (AC): 30.000W Maximum Power input: 45.000Wp Voltage input(DC): 180-1000V Maximum current input 37,5 A Dimensions: 470 x 555 x 270 mm Weight: 41kg Efficiency ≥ 98,2%	3.989,00
	PIKO CI 50	Power output (AC): 50.000W Maximum Power input: 75.000Wp Voltage input(DC): 200-1100V Maximum current input 33 A Dimensions: 710 x 885 x 285 mm Weight: 83kg Efficiency ≥ 98,3%	5.802,00
	PIKO CI 60	Power output (AC): 60.000W Maximum Power input: 90.000Wp Voltage input(DC): 180-1000V Maximum current input 37,5 A Dimensions: 710 x 885 x 285 mm Weight: 83kg Efficiency ≥ 98,2%	6.286,00

HYBRID INVERTERS

STECA INVERTERS GERMANY

For grid connected PV systems 3-phase with storage (Manufacturer's Warranty: 5 years)

ΤΥΠΟΣ	ΧΑΡΑΚΤΗΡΙΣΤΙΚΑ		ΤΙΜΗ €	ΚΩΔΙΚΟΣ
	Steca Solbrid 10-3-2 *	Output power (AC): 10000W Maximum Input Power: 10300W Input voltage (DC):85 - 850 V Maximum input current: 25 A Number of MPPT-trackers : 2 Dimensions: 700x800 x181 mm Weight: 28 kg Efficiency ≥ 97.5%	2.741,00	-
	Steca Solbrid 10-3-4 *	Output power (AC): 10000W Maximum Input Power: 10300W Input voltage (DC):85 - 850 V Maximum input current: 25 A Number of MPPT-trackers : 2 Dimensions: 700x800 x181 mm Weight: 28 kg Efficiency ≥ 97.5%	ASK US	-

INVERTERS KOSTAL, GERMANY

For grid connected PV systems 3-phase with storage (Manufacturer's Warranty: 5 years)

TYPE	SPECIFICATIONS		PRICE €	CODE
	PLENTICORE plus 3.0 (Can be used for energy storage in combination with a battery)	Power output (AC): 3000 W Maximum Power input: 4500 W Voltage input (DC): 120-1000 V Maximum current input: 13 A Dimensions: 563 x 405 x 233 mm Weight: 19,60kg Efficiency ≥ 95.3%	1.823,00	
	PLENTICORE plus 4.2 (Can be used for energy storage in combination with a battery)	Power output (AC): 4200 W Maximum Power input: 6300 W Voltage input (DC): 120-1000 V Maximum current input: 13 A Dimensions: 563 x 405 x 233 mm Weight: 19,60kg Efficiency ≥ 95.3%	1.894,00	
	PLENTICORE plus 5.5 (Can be used for energy storage in combination with a battery)	Power output (AC): 5500 W Maximum Power input: 8250 W Voltage input (DC): 120-1000 V Maximum current input: 13 A Dimensions: 563 x 405 x 233 mm Weight: 19,60kg Efficiency ≥ 96.2%	2.115,00	
	PLENTICORE plus 7 (Can be used for energy storage in combination with a battery)	Power output (AC): 7000 W Maximum Power input: 10.500 W Voltage input (DC): 120-1000 V Maximum current input: 13 A Dimensions: 563 x 405 x 233 mm Weight: 21,60kg Efficiency ≥ 96.5%	2.653,00	

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	PLENTICORE plus 8.5 (Can be used for energy storage in combination with a battery)	Power output (AC): 8500 W Maximum Power input: 12.750 W Voltage input (DC): 120-1000 V Maximum current input: 13 A Dimensions: 563 x 405 x 233 mm Weight: 21,60kg Efficiency ≥ 96.5%	2.925,00	
	PLENTICORE plus 10 (Can be used for energy storage in combination with a battery)	Power output (AC): 10.000 W Maximum Power input: 15.000 W Voltage input (DC): 120-1000 V Maximum current input: 13 A Dimensions: 563 x 405 x 233 mm Weight: 19,60kg Efficiency ≥ 96.5%	3.172,00	

INVERTERS KOSTAL, GERMANY

For grid connected PV systems 1-phase with storage (Manufacturer's Warranty: 5 years)

TYPE	SPECIFICATIONS	PRICE €	CODE
	PIKO MP plus 2.0-1 (Can be used for energy storage in combination with a battery)	Power output (AC): 2050 W Maximum Power input: 3000 W Voltage input (DC): 75-450 V Maximum current input: 13 A Dimensions: 657 x 399 x 222 mm Weight: 12,60kg Efficiency ≥ 97.4%	1.123,00
	PIKO MP plus 2.5-1 (Can be used for energy storage in combination with a battery)	Power output (AC): 2560 W Maximum Power input: 3750 W Voltage input (DC): 75-450 V Maximum current input: 13 A Dimensions: 657 x 399 x 222 mm Weight: 12,60kg Efficiency ≥ 97.4%	1.228,00
	PIKO MP plus 3.0-2 (Can be used for energy storage in combination with a battery)	Power output (AC): 3070 W Maximum Power input: 4500 W Voltage input (DC): 75-750 V Maximum current input: 13 A Dimensions: 657 x 399 x 222 mm Weight: 14,00 kg Efficiency ≥ 97 %	1.431,00
	PIKO MP plus 3.6-2 (Can be used for energy storage in combination with a battery)	Power output (AC): 3770 W Maximum Power input: 5600 W Voltage input (DC): 75-750 V Maximum current input: 13 A Dimensions: 657 x 399 x 222 mm Weight: 14,00 kg Efficiency ≥ 97 %	1.552,00
	PIKO MP plus 4.6-2 (Can be used for energy storage in combination with a battery)	Power output (AC): 4740 W Maximum Power input: 6900 W Voltage input (DC): 75-750 V Maximum current input: 13 A Dimensions: 657 x 399 x 222 mm Weight: 14,00 kg Efficiency ≥ 97,4 %	1.757,00

	PIKO MP plus 5.0-2 (Can be used for energy storage in combination with a battery)	Power output (AC): 5200 W Maximum Power input: 7500 W Voltage input (DC): 75-750 V Maximum current input: 13 A Dimensions: 657 x 399 x 222 mm Weight: 14,00 kg Efficiency ≥ 97,4 %	1.904,00	
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BOXES, METERS & MODEM FOR NET METERING

TYPE	SPECIFICATIONS	PRICE €	CODE	
 <p>ΠΑΚΕΤΟ ΤΡΙΦΑΣΙΚΟΥ ΜΕΤΡΗΤΗ ΕΝΕΡΓΕΙΑΣ Τυπικό: Μονοφ. 100Α/Β/53 230V 50Hz (240V 50Hz) ΜΟΔΕΜ ΜΕΤΡΗΤΗ ΕΝΕΡΓΕΙΑΣ ΕΛΓΑΜΑ ΕΛΕΚΤΡΟΝΙΚΑ ΚΩΔΙΚΟΣ ΤΥΠΟΜΕΤΡΗΤΗ ΗΜΕΡΗΣΙΟ (100Α/310/230V)</p>	Energy meter kit 1phase	1- phase meter Box Meter kwh 100A B IP53 ELGAMA MODEM ELGAMA ELEKTRONICA *(includes deddie certificate)	487,00	
	Energy meter kit 3phase	3- phase meter Box Counter kwh 300A B IP53 HEXING HXE-310 WITH MODEM 3PHASE *(includes deddie certificate)	675,00	
	KOSTAL ENERGY SMART METER	energy smart meter for net metering system with storage	544,00	



GISMAN – 160 Years of Excellence in Marine Aids to Navigation

With a history dating back to 1862 through the B.B.T. company, GISMAN has played a vital role in the construction of iconic lighthouses and light stations across all continents. In the early 1990s, GISMAN pioneered the development of modular plastic navigation buoys, introducing rotationally moulded polyethylene floats that set new standards in durability and reliability.

Today, GISMAN provides comprehensive and highly dependable solutions for the maritime sector, combining technical expertise with operational consistency. Our services include:

- Detailed technical diagnostics and equipment inspections
- Advanced in-house design and engineering
- Full project management
- Manufacturing and supply of specialised equipment
- On-site installation and commissioning
- Personnel training, support, and long-term maintenance

GISMAN also offers a complete range of equipment for Marine Aids to Navigation, including:

- Polyethylene buoys from 0.9 to 3 metres in diameter
- Towers, pylons, and support structures for marine lanterns
- Marine lights and lanterns
- Monitoring, control, and radio-navigation systems
- Lighthouse installation, refurbishment, and upgrades

GISMAN Self-contained Lanterns

TYPE		SPECIFICATIONS	PRICE €	CODE
	GSC-3	Range: 2–5 NM+ @0.74T Vertical divergence: >7° @50% and 20° @10% Power supply: 4×1.4W monocrystalline solar panels + 1 or 2 LCB batteries (4Ah/6V) Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: 195 × 195 × 224 mm	ASK US	
	GSC-5-ES	Range: 2–6 NM+ @0.74T Vertical divergence: >7° @50% and 20° @10% Power supply: 4×10W monocrystalline solar modules + AGM battery 28Ah/12V or 40Ah/12V Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: 400 × 340 × 610 mm	ASK US	
	GSC-5-SS or -MS	Range: 2–6 NM+ @0.74T Vertical divergence: >7° @50% and 20° @10% Power supply: SS (4×4W solar), MS (4×8W solar) + 12Ah or 24Ah LCB Deep Cycle Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: SS: 235 × 235 × 390 mm MS: 235 × 235 × 632 mm	ASK US	
	GSC-7-SS or -MS	Range: 4–10 NM+ @0.74T Vertical divergence: >9° @50% and 14° @10% Power supply: SS (4×4W solar), MS (4×8W solar) + 12Ah or 24Ah LCB Deep Cycle Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: SS: 235 × 235 × 361 mm MS: 235 × 235 × 603 mm	ASK US	
	GSC-8	Range: 2–6 NM+ @0.74T Vertical divergence: >7° @50% and 20° @10% Power supply: 4×10W monocrystalline solar modules + AGM battery 28Ah/12V or 40Ah/12V Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: 400 × 400 × 581 mm	ASK US	

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GISMAN Standalone Lanterns

TYPE	SPECIFICATIONS	PRICE €	CODE
	<p>GSA-5</p> <p>Range: 2–6 NM+ @0.74T Vertical divergence: >7° @50% Power supply: 12V battery Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: 228 × 228 × 180 mm</p>	<p>ASK US</p>	
	<p>GSA-8</p> <p>Range: 4–10 NM+ @0.74T Vertical divergence: >9° @50% Power supply: 12V battery Colours: white, red, green, yellow Programming: 369 flash characters + 1 custom, Bluetooth® configuration Dimensions: 228 × 228 × 254 mm</p>	<p>ASK US</p>	

THE NAME
THE NAME
THE EXPERIENCE
THE EXPERIENCE

SOLAR BATTERIES ROLLS, CANADA



4 KS 25P



S-1450



6 HHG 31P



S6-460AGM



- ✓ Warranty: 3 years
- ✓ Average life expectancy: 15 years
- ✓ 3200 charging cycles

Type	Capacity Ah C100	Capacity Ah C20	Dimensions mm			Weight Kg	Price €	Code
			Length	Width	Height			
Series 4000 - 2Volt (1Cell) Polypropylene Container - 3 Year Warranty								
S 1450 (S2 L16)	1344	1169	318	181	432	54	526,00	ΣY-061
S 1660 (S2 L16-HC)	1495	1335	318	181	432	58	633,00	ΣY-062
S 1860 (S2 L16-SC)	1683	1503	318	181	432	59	701,00	ΣY-063
Series 4000 - 6Volt (3 Cell) Polypropylene Container 3 Year Warranty								
S 290 (S6 GC2-HC)	294	230	259	181	279	31,5	263,00	ΣY-0262
S 480 (S6 L16)	449	390	318	181	425	51	490,00	ΣY-0263
S 550 (S6 L16-HC)	512	445	318	181	425	55,5	528,00	ΣY-0264
Series 4000 - 12Volt (6 Cell) Polypropylene Container 3 Year Warranty								
S 105 (S12 24)	106	85	276	171	238	21	202,00	ΣY-136
S 140 (S12 27)	140	105	321	171	238	24	233,00	ΣY-137
S 170 (S12 31)	173	130	330	171	241	29	251,00	ΣY-145
S 200 (S12 GC)	206	155	333	182	274	37	409,00	ΣY-146

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Type	Capacity Ah C100	Capacity Ah C20	Dimensions mm			Weight Kg	Price €	Code
			Length	Width	Height			
Series 4500 - 2Volt (1 Cell) Polypropylene Container 3 Year Warranty								
S2 L16-EX	1342	1040	318	181	432	58	648,00	ΣY-140
Series 4500 - 6Volt (3 Cell) Polypropylene Container 3 Year Warranty								
S6 L16-EX	479	371	318	181	425	59	692,00	ΣY-141

Type	Capacity Ah C100	Capacity Ah C20	Dimensions mm			Weight Kg	Price €	Code
			Length	Width	Height			
Series 5000 - 2Volt (1 Cell) Dual Container 5 Year Warranty								
2 KS 33P	2369	1837	392	211	630	94	1.093,00	ΣY-056
2 OS 33P	2522	1955	392	211	630	100,5	1.117,00	ΣY-057
2 YS 31P	3260	2527	394	229	803	129	1.433,00	ΣY-059
Series 5000 - 4Volt (2 Cell) Dual Container 5 Year Warranty								
4 CS 17P	733	568	365	210	464	58,1	832,00	ΣY-0144
4 KS 21P	1481	1148	400	238	629	121,1	1.443,00	ΣY-0145
4 KS 25P	1811	1404	400	270	629	142,9	1.613,00	ΣY-0146
4 KS 27P	1959	1518	400	270	629	154	1.724,00	ΣY-0147
Series 5000 - 6Volt (3 Cell) Dual Container 5 Year Warranty								
6 CS 17P	733	568	559	210	464	100,2	1.229,00	ΣY-0148
6 CS 21P	921	710	559	248	464	122,9	1.500,00	ΣY-0149
6 CS 25P	1100	853	559	286	464	144,2	1.743,00	ΣY-0150
6 CS 27P	1198	929	559	286	464	155,0	1.900,00	ΣY-0151
Series 5000 - 12Volt (6 Cell) Dual Container 5 Year Warranty								
12 CS 11 P	479	371	559	286	464	123,4	1.598,00	ΣY-064

Type	Capacity Ah C100	Capacity Ah C20	Dimensions mm			Weight Kg	Price €	Code
			Length	Width	Height			
AGM 'Series 2' 12V Deep Cycle 1 Year Warranty								
R12-80AGM	90	80	260	169	237	23	292,00	ΣY-051
R12-100AGM	110	100	306	169	237	27	310,00	ΣY-052
R12-110AGM	120	110	328	172	240	30	326,00	ΣY-053
R12-200AGM	220	200	530	240	214	55,7	507,00	ΣY-054
R12-260AGM	290	260	522	268	240	73	714,00	ΣY-055

Type	Capacity Ah C100	Capacity Ah C20	Dimensions mm			Weight Kg	Price €	Code
			Length	Width	Height			
AGM 6V Deep Cycle Series 2 Year Warranty								
S6-275AGM	275	250	262	181	281	34.5	389,00	ΣY-0266
S6-370AGM	370	335	295	179	365	48	511,00	ΣY-0267
S6-460AGM	460	415	295	179	424	57	581,00	ΣY-0268
AGM 12V Deep Cycle Series 2 Year Warranty								
S12-95AGM	95	85	260	169	237	23	264,00	ΣY-0269
S12-116AGM	116	105	307	169	233	28.5	316,00	ΣY-0270
S12-128AGM	128	115	328	172	236	32	336,00	ΣY-0271
S12-160AGM	160	145	341	173	309	44	470,00	ΣY-0272
S12-230AGM	230	210	530	209	218	56	669,00	ΣY-0273
S12-240AGM	240	215	381	178	371	63.5	660,00	ΣY-0274
S12-290AGM	290	260	521	269	224	74	770,00	ΣY-0275
AGM 2V Deep Cycle Series 2 Year Warranty								
S2-1275AGM	1275	1150	295	178	424	58	646,00	ΣY-0276

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ROLLS LITHIUM BATTERIES, CANADA

Type	Voltage	Capacity	Dimensions (LxWxH)mm	Weight	Price €	CODE
S48-100LFP-ESS	48V	5,12 kWh	555 x 442 x 173	50.5 kg	1.776,00	-

SOLAR BATTERIES OPzV Rolls, CANADA

Type	Capacity Ah C100	Capacity Ah C20	Dimensions mm			Weight Kg	Price €	Code
			Length	Width	Height			
ROLLS OPzV 2V VALVE REGULATED GEL BATTERY 3 Year Warranty								
S2-280GEL	376	315	124	206	382	24	360,00	ΣY-066
S2-486GEL	668	551	145	206	498	37	507,00	ΣY-069
S2-567GEL	782	643	166	206	498	42	567,00	ΣY-070
S2-690GEL	968	785	145	206	673	50	662,00	ΣY-071
S2-920GEL	1287	1046	191	210	673	68	906,00	ΣY-072
S2-1150GEL	1610	1308	233	210	673	82	1.100,00	ΣY-073
S2-1380GEL	1938	1571	275	210	824	97	1.304,00	ΣY-074

SOLAR BATTERIES BANNER AUSTRIA

Flooded, slow discharge, deep cycles

Type	Voltage	Capacity C20	Dimensions (LxWxH)mm	Weight	Price €	CODE
Banner Solar 230	12 V	230 Ah	240 x 517 x 273	65 kg	454,00	ΣY-0001
Banner Solar 100	12 V	90 Ah	190 x 354 x 175	33 kg	187,00	ΣY-0002

SOLAR BATTERIES type DELCO AMERICAN

Slow discharge, deep cycles, maintenance free

Type	Voltage	Capacity C20	Dimensions (LxWxH)mm	Weight	Price €	CODE
Camell DC31	12 V	100 Ah	240x330x174	27 kg	177,00	ΣY-0129

SUNTECH SEALED-TYPE BATTERIES WITH COVER

Τύπος	Voltage	Capacity C20	Dimensions (YxMxΠ)mm	Pole	Price €	CODE
SMF 700.27	12 V	200 Ah	516 x 278 x 223	LEFT	264,00	ΣY-209
SMF 730.11	12 V	230 Ah	516 x 275 x 238	LEFT	303,00	ΣY-229

ENERSYS SOLAR BATTERIES OPzS FRANCE

Open type, in transparent containers, low concentration of antimony, slow discharge, deep cycles and many charge-discharge cycles

Type	Voltage	Capacity Ah C10 1.80 Vpc, 20°C	Capacity Ah C120 1.80 Vpc, 25°C	Dimensions mm			Weight	Price €	CODE
				Length	Width	Height			
TLS 4	2 V	220	300	103	206	389	18,00	201,00	ΣY-0233
TLS 5	2 V	270	367	124	206	389	21,90	231,00	ΣY-0234
TLS 6	2 V	323	440	145	206	389	25,60	252,00	ΣY-0235
TVS 4	2 V	340	460	124	206	505	27,30	247,00	ΣY-0236
TVS 5	2 V	390	530	124	206	505	30,00	275,00	ΣY-0237
TVS 6	2 V	470	640	145	206	505	35,40	308,00	ΣY-0238
TVS 7	2 V	550	745	166	206	505	40,70	348,00	ΣY-0239
TYS 5	2 V	590	802	145	206	684	44,60	347,00	ΣY-0240
TYS 6	2 V	670	912	145	206	684	48,40	384,00	ΣY-0241
TYS 7	2 V	816	1120	191	210	684	59,60	463,00	ΣY-0242
TYS 8	2 V	900	1220	191	210	684	63,20	499,00	ΣY-0243
TYS 9	2 V	1040	1415	233	210	684	73,90	557,00	ΣY-0244
TYS 10	2 V	1120	1523	233	210	684	77,80	593,00	ΣY-0245
TYS 11	2 V	1260	1714	275	210	684	88,40	639,00	ΣY-0246
TYS 12	2 V	1340	1825	275	210	684	92,30	675,00	ΣY-0247
TZS 11	2 V	1560	2130	275	210	829	112,30	825,00	ΣY-0248
TZS 12	2 V	1710	2335	275	210	829	117,00	868,00	ΣY-0249
TZS 13	2 V	1940	2640	399	214	813	146,60	1.066,00	ΣY-0250
TZS 14	2 V	2040	2775	399	214	813	153,40	1.104,00	ΣY-0251
TZS 15	2 V	2150	2950	399	214	813	156,00	1.151,00	ΣY-0252
TZS 16	2 V	2240	3050	399	214	813	160,90	1.189,00	ΣY-0253
TZS 17	2 V	2430	3310	487	212	813	182,20	1.297,00	ΣY-0254
TZS 18	2 V	2555	3480	487	212	813	186,70	1.350,00	ΣY-0255
TZS 20	2 V	2800	3810	487	212	813	199,80	1.424,00	ΣY-0256
TZS 22	2 V	3090	4210	576	212	813	223,50	1.558,00	ΣY-0257
TZS 24	2 V	3360	4580	576	212	813	235,80	1.654,00	ΣY-0258

ENERSYS SOLAR BATTERIES OPzV, GEL FRANCE

Gel batteries in transparent containers, slow discharge, deep cycles and many charge-discharge cycles, maintenance free.

Type	Voltage	Capacity C10 / C120	Dimensions (LxWxH)mm	Weight	Price€	CODE
4 OPzV 200	2 V	215 / 273 Ah	103x206x403	19,50 kg	229,00	ΣY-0277
5 OPzV 250	2 V	265 / 343 Ah	103x206x403	26,50 kg	263,00	ΣY-0278
6 OPzV 600	2 V	705 / 895 Ah	145x206x695	50,00 kg	464,00	ΣY-0279
10 OPzV 1000	2 V	1170 / 1491 Ah	210x233x695	82,00 kg	712,00	ΣY-0280
12 OPzV 1500	2 V	1600 / 1967 Ah	210x275x845	120,00 kg	1.000,00	ΣY-0281
16 OPzV 2000	2 V	2110 / 2629Ah	212x397x820	165,00 kg	1.331,00	ΣY-0282

- **Due to the continuous rise of led prices and currency fluctuations the above prices are indicative**
- **Please contact us before you place an order**
- **The above prices don't include recycling tax**

PYLONTECH Li-ion Batteries

Lithium Batteries for storage on Grid PV systems

FORCE H SERIES High voltage Batteries for 3-phase inverter

Type	Voltage	Capacity	Dimensions (LxWxH)mm	Weight	Price €	Code
FORCE H1-V2 FH48074	48 V	3,552 kWh	600 x 380 x 700	36 kg	2.327,00	-
FC0500	Controller				1.038,00	

(REQUIRE AT LEAST 3 UNITS)

Type	Voltage	Capacity	Dimensions (LxWxH)mm	Weight	Price €	Code
FORCE H2-V2 FH9637M	98 V	6.7/7.1 kWh	450 x 296 x 822	82 kg	5.770,00	-
ΤΙΜΗ ΜΟΝΑΔΟΣ	96 V	3,552 kWh	450 x 296	35 kg	2.326,00	-
FC0500M	Controller				1.174,00	

(REQUIRE AT LEAST 2 UNITS)

LV HUB	Paraller				700,00	
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BYD Li-ion Batteries

Lithium Batteries for storage on Grid PV systems

Type	Voltage	Capacity	Dimensions (LxWxH)mm	Weight	Price €	Code
HVS 2.56	102,4 V	2,56kWh	585 x 233 x 298	38kg	1.800,00	-
HVS 5.1	204,8 V	5,12 kWh	585 x 298 x 762	91 kg	5.354,00	-
BYD BCU+Base	BYD BCU+Base	846,00			846,00	

(CONSISTING OF 2 UNITS)

PYTES ESS Li-ion Batteries

Lithium batteries for connected PV system storage

Type	Voltage	Capacity	Dimensions (LxWxH)mm	Weight	Price €	CODE
E-BOX-48100R	51,2 V	5,12 kWh	440 x 620 x 117	51 kg	1.400,00	-
BCU Main Controller για PYTES μπαταρίες	CONTROLLER				1.215,00	-

Batteries Accessories

Type	Price €	CODE
Battery terminals	4,00	ΔΥ-0149
Battery connection cable	4,50	ΣΥ-144
Battery density meter	8,80	ΔΥ-0004
Magnetic inclinometer	19,80	
Electrolyte level indicator	15,73	ΣΥ-0014

- **Due to the continuous rise of led prices and currency fluctuations the above prices are indicative**
Please contact us before you place an order

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BATTERY CHARGERS VICTRON Centaur

TYPE	SPECIFICATIONS	PRICE €	CODE
	VICTRON CENTAUR 12/50 Voltage: 90-400 Volt Charging current: 50 Amp max 3 stage charging, Ability to charge 3 batteries Corrosion resistance due to acrylic coating	631,00	

STAND ALONE SOLAR LAMPS FOR STREET LIGHTING

Suitable for public lighting (parks, squares, pedestrian zones, marinas).
Autonomous function for winter – summer. Turn on function during night and off during day.

TYPE	SPECIFICATIONS	PRICE €	CODE
	PS 116 1 P/V module: 50Wp 1 Battery: 36Ah close type Charge Controller: Steca Solsum 6,6 A Lamp: 12W LED Automation system Hight: 3,50m Suitable for parks and playgrounds Pole included	715,00	
	PN Street Light Kit 18W 18W LED, 2070 Lm 1 P/V module: 80W 1 Battery: 125Ah close type Lamp life expectancy: >100.000 hours Charge Controller MPPT Code Phaesun: 600095 <i>The mast is not included</i>	1.219,00	
	PN Street Light Kit 24W 24W LED, 2880 Lm 1 P/V module: 80W 1 Battery: 125Ah close type Lamp life expectancy: >100.000 hours Charge Controller MPPT Code Phaesun: 600098 <i>The mast is not included</i>	1.233,00	
	PN Street Light Kit 30W 30W LED, 3375 Lm 1 P/V module: 150W 1 Συσσωρευτής: 175Ah close type Lamp life expectancy: >100.000 hours Charge Controller MPPT Code Phaesun: 600103 <i>The mast is not included</i>	1.439,00	

SOLAR FRIDGE 12/24V DC

TYPE	SPECIFICATIONS	PRICE €	CODE
	Steca SolarFridge PF166 PV System Voltage: 12V, 24V DC Energy efficiency class: A++ Maximum power consumption: 60-80 W Cooling method: Compressor. Lock. Adjustable internal. Digital temperature display in lid. Using cooling volume : 166 liter Dimensions: 917 x 872 x 709 mm Weight: 61kg	1.164,00	ΨΥ-0001
	Steca SolarFridge PF240 PV System Voltage: 12V, 24V DC Energy efficiency class: A++ Maximum power consumption: 80-120 W Cooling method: Compressor. Lock. Adjustable internal. Digital temperature display in lid. Using cooling volume : 234 liter Dimensions: 1360 x 800 x 116 mm Weight: 75kg	1.755,00	ΨΥ-0002

STAND ALONE MARINE BEACON LED, FROM SABIK FINLAND, IN VARIOUS COLORS

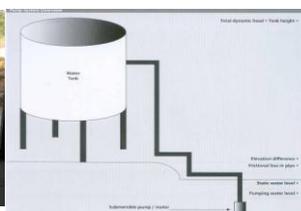
TYPE	SPECIFICATIONS	PRICE €	CODE
	VLB-5X-c07-SS Visibility: 1-4 n.m. at T0.74 Ability to program via Bluetooth Protection: IP68 Operating temperature: -30 to + 50°C Service life: 8 years Self-consumption: 4 mA-night / 0.5 mA-day Battery: Li-Ion Dimensions: 105 x 200 mm	1.651,00	ΦΑ-0036
	M-850 Visibility: 3-6 n.m. at T0.74 Protection: IP68 Operating temperature: -30 to + 50°C Self-consumption: 4 mA-night / 0.5 mA day Battery: 60 or 96 Wh Dimensions: 226 x 235 mm	2.242,00	ΦΑ-0035

SOLAR PV WATER HEATERS

TYPE		SPECIFICATIONS	PRICE €	CODE
	PVB-10	Liters: 10L Maximum heating power : 550 W Maximum current consumption : 15.5A Nominal pressure : 0.7MPa Μικτό βάρος (+/- 3 %): 7.2kg Maximum water temperatures: 65°C Dimensions: 28x28x44cm Recommended PV power : 100-300Wp Maximum connected PV power: 1500Wp Maximum voltage open circuit at 25°C: 42.4Voc	358,00	
	PVB-30	Liters: 30L Maximum heating power: 550 W Maximum current consumption: 15.5A Nominal pressure: 0.7MPa Μικτό βάρος (+/- 3 %): 15kg Maximum water temperatures: 65°C Dimensions: 40x40x60cm Recommended PV power: 300-600Wp Maximum connected PV power: 1500Wp Maximum voltage open circuit at 25°C: 42.4Voc	423,00	
	PVB-80	Liters: 80L Maximum heating power : 550 W Maximum current consumption : 15.5A Nominal pressure : 0.7MPa Μικτό βάρος (+/- 3 %): 25kg Maximum water temperatures : 65°C Dimensions: 47x48x90cm Recommended PV power : 600-1200Wp Maximum connected PV power: 1500Wp Maximum voltage open circuit at 25°C: 42.4Voc	603,00	

<p>COMPLETE SYSTEMS PV Water pumping systems Pumping from 10m-250m with 1-300m³/day supply, with direct output (without batteries). Contact us</p>
<p>COMPLETED SYSTEMS Water desalination with PV systems Water desalination for remote areas. Supply 50-1000 lt/day. Contact us.</p>
<p>COMPLETE SYSTEMS Educational systems Photovoltaic systems - Wind turbine systems - Hybrid systems - Pumping systems Contact us.</p>

<p>SOLAR POWER PUMPING SYSTEMS Sun power pump system with direct output (without batteries). High reliability and durability. Service not required. Combat operation with low sun radiation (min 100W/m²). Resistance to durable operation (from early morning to late afternoon).</p>				
	Pumping System	SPS-1	SPS-2/3	SPS-4/5
Separate	P/V modules	1 x 50 W	2 x 50 W	2 x 100W
	Rated PV Power	50 Wp	100 Wp	100 Wp
	Pump	Shurflo 9300 series	Shurflo 9300 series	Shurflo 9300 series
Techn. Char.	Maximum manometric height	30 m	70 m	70 m
	Maximum water supply	1,5 m ³ /day	3 m ³ /day	4 m ³ /day
	System Price	1.195,00	1.260,00	1.355,00
SOLAR PUMP - SPECIFICATIONS				
Pump		Shurflo 9300 series		
Maximum current input DC		10 A		
Voltage DC		12/24 V		
Height		305 mm		
Diameter		95 mm		
Weight		2,72 kg		
Maximum manometric height		70 m		
Maximum water supply		400 lt/h		
Maximum current input DC		400 lt/h		



OFF-GRID INDICATIVE APPLICATION PACKAGES

With German panels of monocrystalline silicon, Solar Fabrik (Warranty of linear degradation, 25 years)

1. For lighting up to 5 lamps (12V-)

Includes:

- 1 P/V module Phaesun 100 Mono 100Wp – Germany
- 1 Solar Charge Controller Steca Solsum 0606 – Germany
- 2 Batteries Camel DC31 90 (90Ah C20) – DEEP CYCLE
- 1 Large metal ground mounting base for PV modules
- 5 Lamps led 12W, 12V E27

Price: 830,00 €

2. For lighting, TV, Hi-Fi system. (230V~)

Includes:

- 1 P/V module Solar Fabrik Mono S4 415Wp – Germany
- 1 Inverter Steca PLI 1000-12V with solar charge controller and battery charger – Germany
- 2 Batteries Rolls S290 (241Ah C20) – Canada
- 1 Large metal ground mounting base for PV modules

Price: 1.349,00 €

3. For lighting, TV, Hi-Fi, refrigerator, computer (230V~)- (830 Wp)

Includes:

- 2 P/V module Solar Fabrik Mono S4 415Wp – Germany
- 1 Inverter Steca PLI 2400-24V with solar charge controller and battery charger – Germany
- 4 Batteries Rolls S290 (241Ah C20) – Canada
- 1 Super metal ground mounting base for PV modules

Price 2.443,00 €

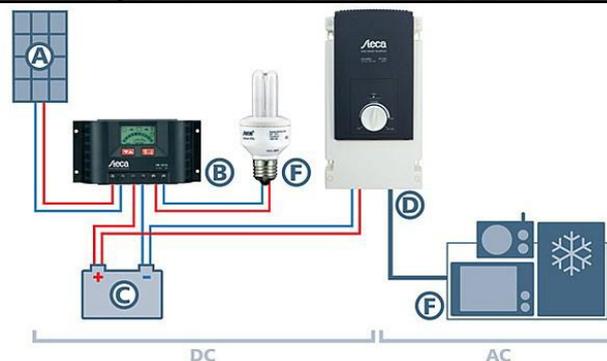
4. For lighting, TV, Hi-Fi, refrigerator, computer, boiler - circulator (for central heating) (230V~)-(2.490 Wp)

Includes:

- 6 P/V module Solar Fabrik Mono S4 415Wp – Germany
- 1 Inverter Steca PLI 5000-48V with solar charge controller and battery charger – Germany
- 8 Batteries Rolls S480 (390Ah C20) – Canada
- 3 Super metal ground mounting base for PV modules

Price 6.322,00 €

The above prices do not include VAT and installation cost



Key:

- A Φωτοβολταϊκές Γεννήτριες
- B Ρυθμιστής Φόρτισης
- C Συσσωρευτής
- D Μετατροπέας
- F Καταναλώσεις

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GRID CONNECTED PV SYSTEMS

RETAIL PRICES, MARCH 2021

INDICATIVE APPLICATION PACKAGES FOR THE NET-METERING PROGRAM

With German panels of monocrystalline silicon, Solar Fabrik (Warranty of linear degradation, 25 years) and inverters with the highest efficiency in the world, Steca Germany

1. Grid connected PV system 3.320 Wp (1ph)

(Annual energy yield: 5.248,00 kWh/year)*

Includes:

- 8 P/V modules Solar Fabrik Mono S4 Halfcut 415W – Germany
- 1 Inverter Steca GmbH StecaGrid 3611 – Germany
- 4 Super metal ground mounting bases for PV modules
- 1 Meter
- 1 Modem
- 1 Meter box

Price: 3.053,00 €

2. Grid connected PV system 4980 Wp (1ph)

(Annual energy yield: 7.872,00 kWh/year)*

Includes:

- 12 P/V modules Solar Fabrik Mono S4 Halfcut 415W – Germany
- 1 Inverter Steca GmbH StecaGrid 5011_2– Germany
- 6 Super metal ground mounting bases for PV modules
- 1 Meter
- 1 Modem
- 1 Meter box

Price: 3.983,00 €

3. Grid connected PV system 5.810 Wp (3ph)

Suitable for PV Specific Projects for houses with household ...

(Annual energy yield:9.184,00 kWh/year)*

Includes:

- 14 P/V modules Solar Fabrik Mono S4 Halfcut 410W – Germany
- 1 Inverter Steca GmbH StecaGrid 6013– Germany
- 7 Super metal ground mounting bases for PV modules
- 1 Meter with built-in modem (Hexing)
- 1 Meter box

Price: 4.865,00€

4. Grid connected PV system 9.960 Wp (3ph)

(Annual energy yield:17.056,00 kWh/year)*

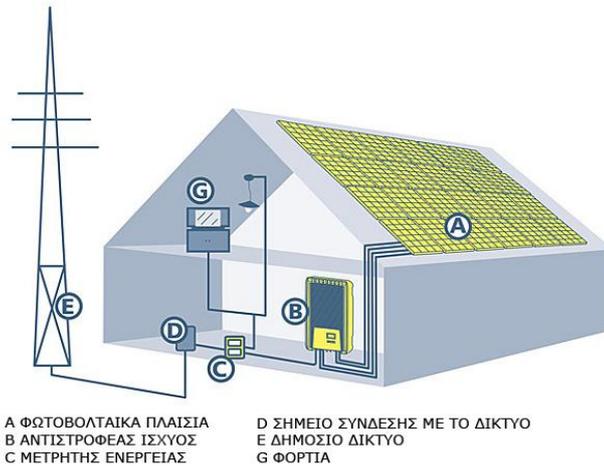
Includes:

- 24 P/V modules Solar Fabrik Mono S4 Halfcut 410W – Germany
- 1 Inverter Kaco 10 NX3 – Germany
- 12 Super metal ground mounting bases for PV modules
- 1 Meter with built-in modem (Hexing)
- 1 Meter box

Price: 7.508,00€

The above prices do not include VAT and installation cost

* The annual energy yield has been calculated from Siemens Solar program for Athens area and 30° tilt.



Typical Power Consumption of Electrical Appliances

Appliance	Average Wattage (VAC Type)
Lighting	
LED lamps (χαμηλής κατανάλωσης)	3 – 10 Watt
Λαμπτήρες οικονομίας	7 – 23 Watt
Λαμπτήρες φθορισμού	40 – 100 Watt
Street lamps	35 – 150 Watt
Kitchen Appliances & Equipment	
Refrigerator	70 – 100 Watt (μέγιστη κατανάλωση ~ 1000Wh/day)
Freezer	300 – 500 Watt
Dishwasher	1.000 – 1.300 Watt
Food mixer	150 – 1.000 Watt
Microwave Oven	600 – 1.500 Watt (χρήση ~ 15min)
Coffee Filter	350 Watt
Other Household Items	
Air Conditioner	900 – 2000 Watt (18000BTU/hr)
Battery Charger (NiCd)	5 Watt
CD Player	30 Watt
Central heating pump	60 Watt (250Wh/4hr)
Fan (desk)	20 Watt
Radio	10 Watt
Colour TV	30 – 55 Watt
Washing machine (without heating water)	500 Watt
Iron	810 Watt
Ceiling Fan	50 Watt
Office Equipment	
Telephone Answering Machine	10 Watt
Cordless phone	10 Watt
Laptop Computer	70 Watt
Desk Computer	100 Watt
Fax Machine	50 Watt
Printer (dot matrix)	30 – 100 Watt

Διαστασιολόγηση γραμμής μεταφοράς καλωδίου για 12V και 24V εγκατάσταση

