








# Product overview

## Steca OFF-Grid and ON-Grid



# Steca Charge Controller

		Max. PV open circuit voltage	System voltage			Max. Battery charging current
			12 V	24 V	48 V	
		in volts				in ampere
<b>BASIC</b>		Solsum 0606	47 V	✓	✓	6
		Solsum 0808	47 V	✓	✓	8
		Solsum 1010	47 V	✓	✓	10
		Solsum 2525	47 V	✓	✓	25
		Solsum 4040	47 V	✓	✓	40
<b>BASIC</b>		PRS 1010	47 V	✓	✓	10
		PRS 1515	47 V	✓	✓	15
		PRS 2020	47 V	✓	✓	20
		PRS 3030	47 V	✓	✓	30
<b>CLASSIC</b>		PR 1010	47 V	✓	✓	10
		PR 1515	47 V	✓	✓	15
		PR 2020	47 V	✓	✓	20
		PR 2020 -IP 65	47 V	✓	✓	20
		PR 3030	47 V	✓	✓	30
<b>CLASSIC</b>		Solarix 2525	47 V	✓	✓	25
		Solarix 4040	47 V	✓	✓	40
<b>ADVANCED</b>		Tarom 4545	60 V	✓	✓	45
		Tarom 4545-48	100 V	✓	✓	45
<b>ADVANCED</b>		MPPT 3020	100 V	✓	✓	30
		MPPT 5020	150 V	✓	✓	50
<b>ADVANCED</b>		MPPT 6000-M	200 V	✓	✓	60
		MPPT 6000-S	200 V	✓	✓	60

## Product features

- Auto. Voltage adjustment
- Voltage regulation
- Multi-stage charging technology
- Current-compressed load disconnection thresholds
- Automatic load restart
- Temperature compensation
- Neg. earthing of one or pos. earthing of several terminals possible
- Monthly equalisation charge






## Electronic protection functions

- Overcharge and deep discharge protection
- Reverse polarity protection of module, load and battery by internal fuse
- Automatic electronic fuse
- Short-circuit protection
- Overvoltage protection at module input
- Idle protection without battery
- Reverse current protection at night
- Over-temperature and overload protection
- Load disconnection in case of battery overvoltage

## Certificates

CE compliant | RoHS compliant | Made in EU, developed in Germany | Manufactured under ISO 9001 and ISO 14001

# Steca OFF-Grid inverters

	System voltage			Power
	12 V	24 V	48 V	in watts
	Steca Solarix PLI - All-in-one hybrid inverter, with integrated MPPT charge controller			
	PLI 1000-12	✓		1000
	PLI 2400-24		✓	2400
	PLI 5000-48		✓	5000
	Steca XTENDER Off-Grid inverters			
	XTS 900-12	✓		900
	XTS 1200-24		✓	1200
	XTS 1400-48		✓	1400
	XTM 1500-12	✓		1500
	XTM 2000-12	✓		2000
	XTM 2400-24		✓	2400
	XTM 2600-48		✓	2600
	XTM 3500-24		✓	3500
	XTM 4000-48		✓	4000
	XTH 3000-12	✓		3000
	XTH 5000-24		✓	5000
	XTH 6000-48		✓	6000
	XTH 8000-48		✓	8000
	Steca refrigerators and freezers			
		12 V	24 V	Volumen in liters
	PF 166-H	✓	✓	166
	PF 240-H	✓	✓	240

## Steca Solarix PLI

- Stand-alone inverter with MPPT charge controller and grid connection / Generator connection for grid independent operation
- Fast switching time of 10 ms for uninterruptible power supply
- Dual overload capability for reliable starting of large AC motors
- At night or in the event of complete failure of the PV modules and empty battery, the inverter automatically switches to the AC power source (public power grid or generator)
- Power increase or parallel operation of several inverters possible
- 3 phase operation with 3 inverters possible
- Configurable via LCD display



# Steca ON-Grid inverters

Steca coolcept fleX inverter with integrated MPPT

Phases		MPPT		power
1	3	1	2	in watts



## Steca coolcept fleX

StecaGrid 1511	✓	✓	<div></div>	1500
StecaGrid 2011	✓	✓	<div></div>	2000
StecaGrid 2511	✓	✓	<div></div>	2500
StecaGrid 3011	✓	✓	<div></div>	3000
StecaGrid 3011_2	✓		✓ <div></div>	3000
StecaGrid 3611	✓	✓	<div></div>	3680
StecaGrid 3611_2	✓		✓ <div></div>	3680
StecaGrid 4611_2	✓		✓ <div></div>	4600
StecaGrid 5011_2	✓		✓ <div></div>	5000



## Steca coolcept³ fleX

StecaGrid 3213		✓	✓ <div></div>	3200
StecaGrid 4013		✓	✓ <div></div>	4000
StecaGrid 5013		✓	✓ <div></div>	5000
StecaGrid 6013		✓	✓ <div></div>	6000



## Steca coolcept fleX XL

StecaGrid 4213	✓		✓ <div></div>	4200
StecaGrid 5513	✓		✓ <div></div>	5500
StecaGrid 7013	✓		✓ <div></div>	7000
StecaGrid 8513	✓		✓ <div></div>	8500
StecaGrid 10013	✓		✓ <div></div>	10000

### Coolcept fleX is flexible.

Multiple MPP trackers allow handling of simple or even complicated module arrays.

### Coolcept fleX is robust and uncomplicated.

Simple installation indoors and outdoors is made possible by a robust IP65 housing and simple mounting.

### Coolcept fleX and sunCloud Portal.

Everything under control / Everything in view with the sunCloud Portal (free use for monitoring the PV system).



# Steca Charge Controller

Steca MPPT 5020 | Steca MPPT 3020



- Intelligent MPP tracking with high efficiency
- Wide input voltage range
- Automatic battery voltage detection
- Open Steca UART interface (RS 232) for data output
- 5 years warranty
- Multi-stage charging technology - Also suitable for lithium batteries
- Gradual configuration of the charging current possible - in 5 ampere steps
- Simple menu-guided operation
- Multifunction graphic LC display with backlighting

## Steca PF 166-H und 240-H











PF 240-H

PF 166-H



**WINNER**  
2019



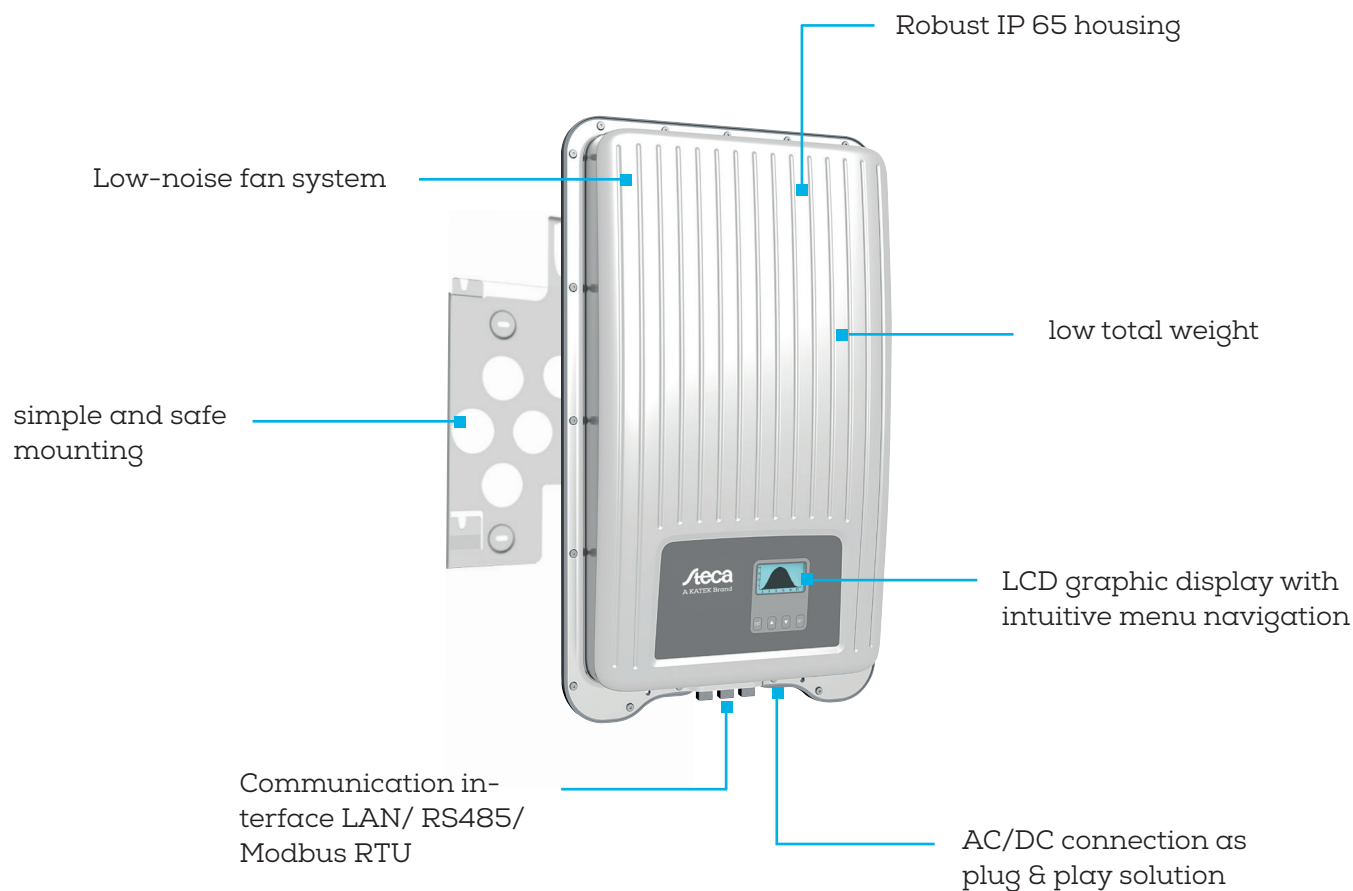
-  Variable speed compressor, energy saving 30% less power consumption, 0.5 Kwh/day, no temperature fluctuations
-  Environmentally friendly refrigerant R290, minimal global warming potential / No ozone depletion potential
-  Double thermal insulation, insulation housing 110 mm thick
-  Very high autonomy time without energy
-  Freezer and chest freezer: two operating modes can be set as desired
-  Digital display and intelligent electronics for precise temperature stability
-  Patented pressure equalisation and frost protection systems
-  Suitable for tropical environment



# PV ON-Grid

Steca coolcept fleX inverter 1PH / 3PH

**steca**  
A KATEK Brand



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