

Xtender Bidirectional inverter/charger

Xtender is a family of multi-functional and bidirectional inverter/chargers, for systems from 0.5 to 72kVA, with the following main functions:

- Inverter DC-AC
- Battery charger AC-DC
- Transfer system AC-AC
- Source power assistance
- Solar priority
- Grid-feeding
- 2 programmable auxiliary contacts

The Xtender is the heart of your energy system and so the key element for a smart, efficient and smooth energy management.

Comprehensive communication solutions keep your system under control wherever you are.



Model	P 30	P nom	U bat.	I charge
XTH 8000-48	8000 VA	7000 VA	48 V	120 A
XTH 6000-48	6000 VA	5000 VA	48 V	100 A
XTH 5000-24	5000 VA	4500 VA	24 V	140 A
XTH 3000-12	3000 VA	2500 VA	12 V	160 A

Model	P 30	P nom	U bat.	I charge
XTM 4000-48	4000 VA	3500 VA	48 V	50 A
XTM 3500-24	3500 VA	3000 VA	24V	90 A
XTM 2600-48	2600 VA	2000 VA	48 V	30 A
XTM 2400-24	2400 VA	2000 VA	24 V	55 A
XTM 2000-12	2000 VA	2000 VA	12 V	100 A
XTM 1500-12	1500 VA	1500 VA	12 V	70 A

Model	P 30	P nom	U bat.	I charge
XTS 1400-48	1400 VA	900 VA	48 V	12 A
XTS 1200-24	1200 VA	800 VA	24 V	25 A
XTS 900-12	900 VA	650 VA	12 V	35 A

Vario MPPT solar charge controller

The **Vario** family consists of 4 models of MPPT solar charge controllers with 65A to 120A battery charge current, for PV arrays from 1- 105kWp.

These high quality charge controllers offer the highest efficiency and the fastest regulation for similar products on the market.

The combination of the Vario and Xtender results in a highly efficient hybrid solution.



Model	I charge	U bat.	P pv	U pv
VT - 80	80 A	48 V	5000 W	150 V
		24 V	2500 W	
		12 V	1250 W	80 V
VT - 65	65 A	48 V	4000 W	150 V
		24 V	2000 W	
		12 V	1000 W	80 V

Model	I charge	U bat.	P pv	U pv
VS - 120	120 A	48 V	7000 W	400 to 900V
			Indep. or // 2 x 3500 W	200 to 600V
VS - 70	70 A	48 V	4200 W	200 to 600V

*Energy freedom
with peace of mind*



Xtender
VarioTrack
VarioString

Suder Innotec SA
Rue des Casernes 57
1950 Sion - Switzerland
Tel: +41 (0)27 205 60 80
Fax: +41 (0)27 205 60 88
info@suder-innotec.com
www.studer.innotec.com



Xtender
Inverter/charger

A complete family, from 0.5 kVA up to 8 kVA (single unit)

XTH
XTM
XTS

Local display with settings and Datalog

X-Connect

A turnkey solution for large multi-unit systems

Single (up to 8kW) $\Phi 1$

Parallel (up to 24kW) $\Phi 1$ $\Phi 2$ $\Phi 3$

Three-phase (up to 24kW) $\Phi 1$ $\Phi 2$ $\Phi 3$

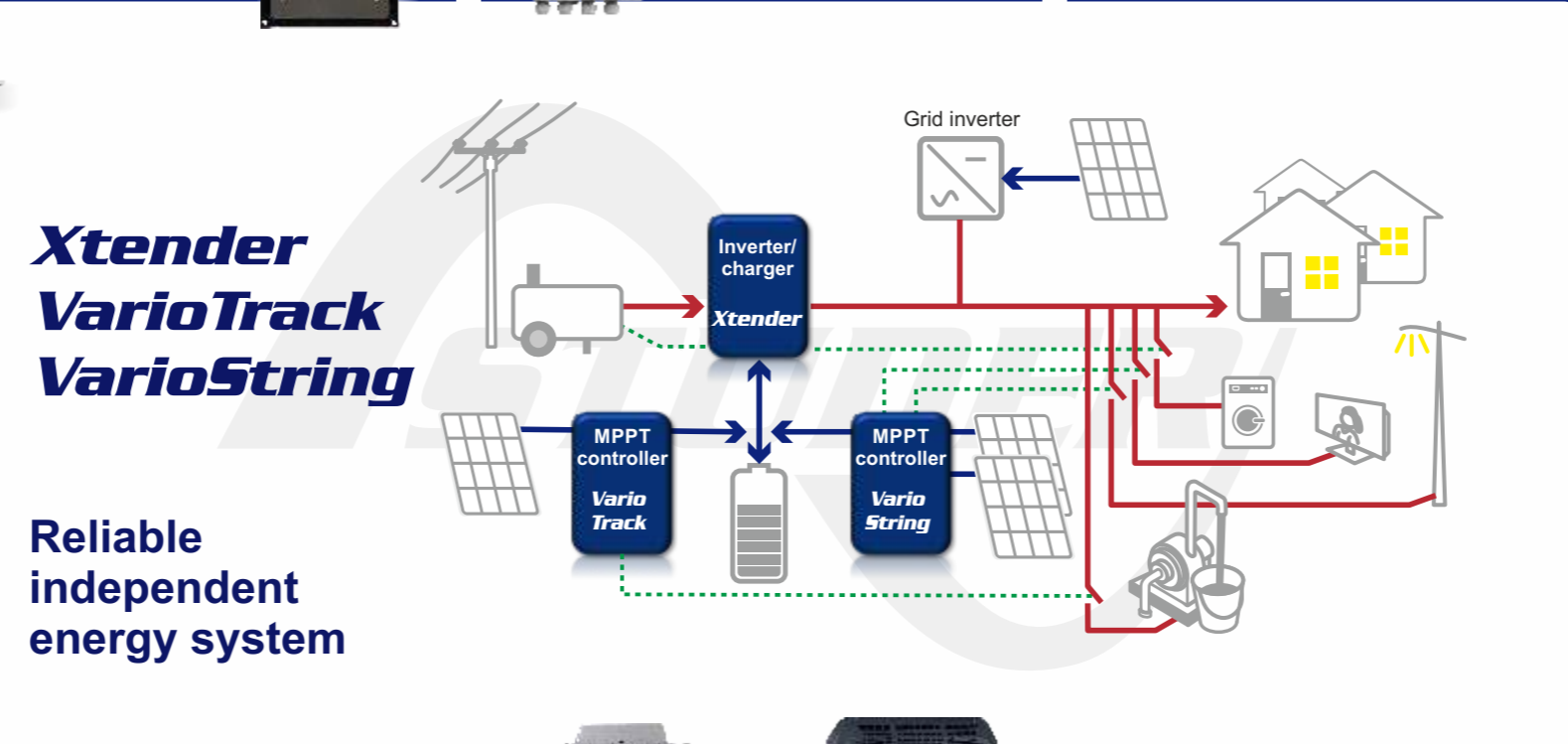
Expandable (up to 72kW)

Flexible

Under control with bidirectional SMS

Permanent control with Internet access through LAN or GSM

XT VT VS



Compatible with all major grid tied inverters (for AC coupling)

interactive

Inverter/Charger Xtender

Compatible with any kind of AC source

Solar priority

Applicable in any field and for special applications

Compatible with most battery technologies like: AGM, GEL, Flooded LA NiCad, NiFE, Aquion, Redox, Lithium

VarioTrack
VT-65 / VT-80
MPPT solar charge controller

Up to 150V PV, >98% efficiency
12, 24, 48V battery

VarioString
VS-70 / VS-120
MPPT solar charge controller

PV to battery reinforced isolation
High voltage string, up to 900Vdc

Compatible with any PV module technology