


48V Energy Storage Solution

Inverter		Battery		Communication	Cable Supply	Coupling type	Application	Key Features	Firmware Ver.	Installation
Brand of Inverter	Type	US2000 / US3000 / Phantom-S / Force-L1								
Victron Energy	Multi / Quattro 48V (via Venus-device)			CAN	RJ45	DC	On/off-grid*	Activation: Yes; Force charge: Yes	422/V2.15	Wall mounting
Schneider-Electric	XW+ series			CAN	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes		Vertical
SolaX Power	SK-SU, SK-TL, SK-BMU			CAN/RS232	RJ45	DCAC	On-grid	Activation: PV only; Force charge: Yes		Wall mounting
Goodwe	GW-BP/SBP GW-ES/EM			CAN	RJ45	DCAC	On-grid	Activation: Yes; Force charge: Yes		Wall mounting
Imeon Energy	IMEON 3.6 & 9.12			CAN	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes	V1.7.6.5	Wall mounting
Studer Innotec	Xtender 48V serie VarioString serie VarioTrack 48V serie			CAN	RJ45	DC	On/off-grid	Activation: No; Force charge: Yes	R652	Wall mounting
Selectronic	SPMC in 48V			CAN	RJ45	DC	On/off-grid	Activation: No; Force charge: Yes		Wall mounting
Voltronic	Infinsolar series 48V Axpert series 48V**			RS485(9600)	RJ45	DC	On/off-grid	Activation: Yes; Force charge: Yes	V1.00/00.32	Wall mounting
Sofar	ME3000SP, HYD series			RS485(115200)/ CAN	RJ45	AC	On-grid	Activation: Yes; Force charge: Yes	V1.2	Wall mounting
Sermatec	SMT-5K-TL-LV			CAN	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes		Wall mounting
Zucchetti Centro Sistemi	Azzurro 3000SP; Azzurro HYD3000/6000-ES			RS485(115200)/ CAN	RJ45	AC	On-grid	Activation: Yes; Force charge: Yes	V1.2	Wall mounting
Soils	RHI-3K-5K-48ES			CAN	RJ45	DC	On/off-grid	Activation: PV only; Force charge: Yes	90009	Wall mounting
Redback	SH5000			RS485(115200)	RJ45	DCAC	On-grid	Activation: PV only; Force charge: No		Vertical
Alpha & Outback Energy	SPC III 5000-48			RS485(9600)	RJ45	DC	On/off-grid	Activation: Yes; Force charge: Yes	V1.00/00.32	Wall mounting
Lux Power	LXP Hybrid/ACS series			CAN	RJ45	DCAC	On-grid	Activation: Yes; Force charge: Yes	AA1.0	Wall mounting
Sungrow	SH5K			CAN	Terminal	DC	On-grid	Activation: 30mins; Force charge: Yes	V13	Wall mounting
Morningstar	TriStar MPPT in 48V TriStar MPPT 600V in 48V TriStar PWM TS-45 in 48V			N/A	N/A	DC	On/off-grid	Activation: PV only; Force charge: No	v32b	Wall mounting
Delios	DLS/C series DLS AC series			CAN	RJ45	DCAC	On/off-grid	Activation: No; Force charge: Yes	A 1.30; B 1.18; C1.27	Wall mounting
MLT	Oasis 448, 648			N/A	N/A	AC	Off-grid	Activation: No; Force charge: Yes	V2.19	Wall mounting
Steca	Solarix PLI 5000-48			N/A	N/A	DC	Off-grid	Activation: Manual; Force charge: No		Wall mounting
SAJ	Sunfree series			RS485(9600)	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes	V2.031/V1.037/V1.037	Wall mounting
SolarMax	ES series AC series			CAN	RJ45	DCAC	On/off-grid	Activation: No; Force charge: Yes	A 1.30; B 1.18; C1.27	Wall mounting
Growatt	SPH6000			CAN	RJ45	DCAC	On/off-grid	Activation: No; Force charge: Yes	RA1.0	Wall mounting
Axioma Energy	ISPWM 5000 ISMPPPT BF 3000 - 5000 ISGRID (BF) 3000 - 5000			N/A	N/A	DC	On/off-grid	Activation: No; Force charge: No		Wall mounting
Kehua	SPH5000-BL			CAN	RJ45	DCAC	On-grid	Activation: Yes; Force charge: Yes	V1.00.013	Wall mounting
GMDE	SolDate 3700TL+BM024			RS485(9600)	RJ45	DCAC	On-grid	Activation: No; Force charge: Yes	V2.0.1	Wall mounting
Dowell	iPower			RS485(9600)/CAN	Terminal	DCAC	On-grid	Activation: PV only; Force charge: Yes	V3.03	Wall mounting

* When compatible with Victron Multi/Quattro in off-grid application via Venus-device, it is required to have a Victron MPPT or other compatible PV inverter with Victron to avoid the system getting shut down.

**When compatible with Voltronic Axpert series, only VM III and King two types are available for RS485 communication, for the rest types of Axpert only available for manual settings.

100 - 1000V Energy Storage Solution

Inverter		Battery		Communication	Cable Supply	Coupling type	Application	Key Features	Firmware Ver.	Installation
Brand of Inverter	Type									
SolaX Power	X1/X3-Hybrid HV	Powercube X1/H1/H2, Force H1		CAN	RJ45	DCAC	On-grid	Activation: Yes; Force charge: Yes		Wall mounting
Sermatec	SMT-10K/30K/50K-TL-TH	Powercube X1/H1/H2, Force H1		CAN	RJ45	DCAC	On-grid	Activation: Yes; Force charge: Yes		Wall mounting
Goodwe	ET series	Powercube X1/H1/H2, Force H1		CAN	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes		Wall mounting
Growatt	SPH10000TL3	Powercube X1/H1/H2, Force H1		CAN	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes	V410	Wall mounting
Lux Power	GTI 6K Hybrid	Powercube X1/H1/H2, Force H1		CAN	RJ45	DCAC	On/off-grid	Activation: Yes; Force charge: Yes		Wall mounting
Efacec	Battery Inverter									
Ferroamp	EnergyHub									
Sungrow	SC series	Powercube H1/H2/M1		Customized with additional EMS	RJ45	AC	On/off-grid			Cabinet
Sinexcel	PWS/PWG series									
Wahon	PWS series									