Low Voltage 48V Energy Storage Solution

Brand of Inverter	Inverter Type	Battery	Communication	Application	Key Features Activation	Key Features Force Charge	Firmware Ver.	Installation
Victron Energy	Multiplus 48V (via Venus OS)		CAN	On/off-grid*	Yes	Yes	422/V2.15	Wall mounting
Victron Energy	Quattro 48V (via Venus OS)		CAN	On/off-grid*	Yes	Yes	422/V2.15	Wall mounting
SMA Solar Technology AG	SI 4.4-M		CAN	On/off-grid****	No	Yes		Wall mounting
SMA Solar Technology AG	SI 6.0-H		CAN	On/off-grid****	No	Yes		Wall mounting
SMA Solar Technology AG	SI 8.0-H		CAN	On/off-grid****	No	Yes		Wall mounting
Schneider-Electric	Conext XW Pro series		CAN	On/off-grid	Yes	Yes	Gateway: V1.06 XW+ Pro: V1.04 (UL) / V1.05 (IEC)	Wall mounting
Goodwe	GW-BP		CAN	On/off-grid	Yes	Yes		Wall mounting
Goodwe	SBP GW-ES		CAN	On/off-grid	Yes	Yes		Wall mounting
Goodwe	EM		CAN	On/off-grid	Yes	Yes		Wall mounting
Imeon Energy	IMEON 3.6		CAN	On/off-grid	Yes	Yes	V1.7.6.5	Wall mounting
Imeon Energy	IMEON 9.12		CAN	On/off-grid	Yes	Yes	V1.7.6.5	Wall mounting
Studer Innotec	Xtender 48V serie		CAN	On/off-grid	Yes	Yes	R652	Wall mounting
Studer Innotec	VarioString serie		CAN	On/off-grid	Yes	Yes	R652	Wall mounting
Studer Innotec	VarioTrack 48V serie		CAN	On/off-grid	Yes	Yes	R652	Wall mounting
Selectronic	SPMC 480	US2000	CAN	On/off-grid	No	Yes		Wall mounting
Selectronic	SPMC 481	US2000V2	CAN	On/off-grid	No	Yes		Wall mounting
Selectronic	SPMC 482	US3000	CAN	On/off-grid	No	Yes		Wall mounting
Voltronic	Infinisolar series 48V	US2000C	RS485(9600)	On/off-grid	Yes	Yes	V1.00	Wall mounting
Voltronic	Axpert series 48V**	US3000C	RS485(9600)	On/off-grid	Yes	Yes	V2.61	Wall mounting
Sofar	ME3000SP	US5000	RS485(115200)/CAN	On-grid	Yes	Yes	V1.2	Wall mounting
Sofar	HYD series	US5000-B	RS485(115200)/CAN	On-grid	Yes	Yes	V1.2	Wall mounting
Sermatec	SMT-5K-TL-LV	UP5000	RS485(9600)/CAN	On-grid	Yes	Yes		Wall mounting
Zucchetti Centro Sistemi	Azzurro 3000SP	Phantom-S	RS485(115200)/CAN	On-grid	Yes	Yes	V1.2	Wall mounting
Zucchetti Centro Sistemi	Azzurro HYD3000/6000-ES	Force-L1	RS485(115200)/CAN	On-grid	Yes	Yes	V1.2	Wall mounting
Solis	RHI series	Force-L2	CAN	On/off-grid	PV only	Yes	90009	Wall mounting
Solis	RAI series	Pelio-L	CAN	On/off-grid	PV only	Yes	90009	Wall mounting
Redback	SH5000		RS485(115200)	On-grid	PV only	No		Cabinet
Deye(Sunsynk)	SUN-SG01LP1 series		CAN	On/off-grid	Yes	Yes	V1586	Wall mounting
Deye(Sunsynk)	SUN-SG03LP1 series		CAN	On/off-grid	Yes	Yes	V1586	Wall mounting
Alpha & Outback Energy	SPCIII-5000-48		RS485(9600)	Off-grid	Yes	Yes	91.24	Wall mounting
Alpha & Outback Energy	SPCIII-7200-48		RS485(9600)	Off-grid	Yes	Yes	45.06	Wall mounting
Alpha & Outback Energy	SPCIIIS-5000-48		RS485(9600)	Off-grid	Yes	Yes	71.1	Wall mounting
Lux Power	LXP Hybrid		CAN	On/off-grid	Yes	Yes	AA1.0	Wall mounting
Lux Power	ACS series		CAN	On/off-grid	Yes	Yes	AA1.0	Wall mounting
Lux Power	LXP-LB-EU Series		CAN	On/off-grid	Yes	Yes	EA1.0 (for 8K/10K model) fA1.0 (for 12K model)	Wall mounting
Lux Power	LXP-LB-US Series		CAN	On/off-grid	Yes	Yes	EA1.0 (for 8K/10K model) fA1.0 (for 12K model)	Wall mounting
Sungrow	SH5K		CAN	On-grid	Yes	Yes	V13	Wall mounting
Morningstar	TriStar MPPT in 48V		N/A	On/off-grid	PV only	No	v32b	Wall mounting
Morningstar	TriStar MPPT 600V in 48V		N/A	On/off-grid	PV only	No	v32b	Wall mounting
Morningstar	TriStar PWM TS-45 in 48V		N/A	On/off-grid	PV only	No	v32b	Wall mounting
Delios s.r.l.	DLS/C series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27	Wall mounting
Delios s.r.l.	DLS AC series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27	Wall mounting
Ingeteam Power Technology	ISS 1Play TL M series		CAN	On/off-grid	Yes	Yes	ABH1007_D	Wall mounting
MLT	Oasis 448		N/A	Off-grid	No	Yes	V2.19	Wall mounting
MLT	Oasis 648		N/A	Off-grid	No	Yes	V2.19	Wall mounting
Steca	Solarix PLI 5000-48		N/A	Off-grid	Manual	No		Wall mounting
SAJ	Sunfree series		RS485(9600)	On/off-grid	Yes	Yes	V2.031/V1.037	Wall mounting
SAJ	H1 series		CAN	On/off-grid	Yes	Yes	V2.094/V1.318	Wall mounting
SolarMax	ES series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27	Wall mounting
SolarMax	AC series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27	Wall mounting
Growatt	SPH3000 - 6000		CAN	On/off-grid	No	Yes	RA1.0	Wall mounting
Growatt	SPF2000 - 5000 HVM-48/LVM-48P***		RS485(9600)	On/off-grid	No	Yes	GW500.08/502.05/503.03/507.03	Wall mounting
Growatt	M2000H/3000H/5000H - 48***		RS485(9600)	On/off-grid	No	Yes	SK001.11/012.06/013.03/035.00	Wall mounting
Sol-Ark	Sol-Ark-5K/8K-48-ST, Sol-Ark-5K-120V, Sol-Ark-8K-120/230V, Sol-Ark-8K-230-1P, Sol-Ark-12K-P, Sol-Ark-12K-3P-380V,Limitless 15K-LV		CAN	On/off-grid	Yes	Yes	V1430	Wall mounting
AXIOMA energy	ISPWM 5000		N/A	On/off-grid	No	No		Wall mounting
AXIOMA energy	ISMPPT BF 3000 - 5000		N/A	On/off-grid	No	No		Wall mounting
AXIOMA energy	ISGRID (BF) 3000 - 5000		N/A	On/off-grid	No	No		Wall mounting
Phocos	Any-grid PSW-H-5kW-230/48V		RS485(9600)	On/off-grid	Yes	Yes	V1.00	Wall mounting
Western CO.	LEONARDO PRO 3000/48 Li (via Western LK3)		CAN	On/off-grid	Yes	Yes	V1.1	Wall mounting
EFFEKTA	AX-M1 4000/5000-48 (via Com Box)		RS485(9600)	On/off-grid	Yes	Yes	54.40/74.40	Wall mounting
EFFEKTA	AX-K1 4000/5000-48 (via Com Box)		RS485(9600)	On/off-grid	Yes	Yes	14.40/34.40	Wall mounting
EFFEKTA	AX-M2 4000/5000-48		RS485(9600)	On/off-grid	Yes	Yes	51.00/72.01	Wall mounting

Low Voltage 48V Energy Storage Solution

Brand of Inverter	Inverter Type	Battery	Communication	Application	Key Features Activation	Key Features Force Charge	Firmware Ver.	Installation
Kehua	SPH5000-BL		CAN	On-grid	Yes	Yes	V1.00.013	Wall mounting
INVT	BD series		CAN	On/off-grid	Yes	Yes	V1.06	Wall mounting
TBB	Kinergier Pro Series: CK-II 2.0S-3.0S		CAN	On/off-grid	No	Yes	DSP: V1.03C LCD: V1.01B	Wall mounting
TBB	Kinergier Pro Series: CK4.0S-8.0S		CAN	On/off-grid	No	Yes	DSP: V1.23A LCD: V1.21A	Wall mounting
MUST	PV1800 VHM 3KW - 5.5KW		CAN	On/off-grid	No	Yes	1.17.06	Wall mounting
Moixa	Smart Battery V4 3000		CAN	On-grid	Yes	Yes	V2.2.1	Wall mounting
Moixa	GridShare Hub		CAN	On-grid	Yes	Yes	V2.2.1	Wall mounting
MEGAREVO	RKL1 Series		CAN	On/off-grid	Yes	Yes	ARM: 1.00.28 DSP: 1.01.23	Wall mounting
AISWEI	ASW3000/3680/4000/5000H-S		CAN	On/off-grid	Yes	Yes	master v610-02001-00	Wall mounting
AISWEI	ASW3000/3680/4000/5000/6000H-S2	US2000 US2000V2 US3000 US2000C US3000C US5000 US5000-B UP5000 Phantom-S Force-L1 Force-L2 Pelio-L	CAN	On/off-grid	Yes	Yes	DSP:V610-02003-01 Safety:V610-10008-03	Wall mounting
SOROTEC	REVO II - 48V Series		CAN	On/off-grid	Yes	Yes	Inverter:1.5.4 Control board: 64	Wall mounting
SOROTEC	REVO E PLUS - 48V Series		CAN	On/off-grid	Yes	Yes		Wall mounting
SOROTEC	REVO VM II - 48V Series		CAN	Off-grid	Yes	Yes		Wall mounting
SOROTEC	REVO VM PLUS - 48V Series		CAN	Off-grid	Yes	Yes		Wall mounting
FSP Power Solution GmbH	PowerManager series 4-15kW Offgrid PMI III / Zero		RS485(9600)	On/off-grid	Yes	Yes	V1.00 V2.61	Wall mounting
Senergy	SE 4K6/5K/6KHB-60/120		RS485(9600)*****	On/off-grid	PV only	Yes	0.6.0	Wall mounting
Senergy	SE 4K6/5K/6KAC		RS485(9600)*****	On/off-grid	No	Yes	0.6.0	Wall mounting
Livoltek	Hyper series		CAN	On/off-grid	Yes	Yes	1.78	Wall mounting
Livoltek	Retro series		CAN	On/off-grid	Yes	Yes	1.78	Wall mounting
Livoltek	GF1-3K/5K48S1		CAN	Off-grid	Yes	Yes	ARM V0.59 DSP V0.13	Wall mounting
Livoltek	BV1-3K/5K48S1		CAN	Off-grid	Yes	Yes	ARM V0.59 DSP V0.13	Wall mounting
Hoymiles	HYS-LV Series		CAN	On/off-grid	Yes	Yes	Power - V01.04.19 and above Safety - V01.02.13 and above System - V00.02.18 and above	Wall mounting
Hoymiles	HAS-LV Series		CAN	On/off-grid	Yes	Yes	Power - V01.04.19 and above Safety - V01.02.13 and above System - V00.02.18 and above	Wall mounting
LEDIT	FVDi series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27	Wall mounting
Growocol	MKS IV 5.6KW -B MKS IV 6KW TWIN MAX II-8000		RS485(9600)	On/off-grid	Yes	Yes		Wall mounting
OPTI-Solar	SP5000 Brilliant series		RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32	Wall mounting
OPTI-Solar	SP5000 Regal/Handy Plus		RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32	Wall mounting
OPTI-Solar	SP4000/10000 Premium		RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32	Wall mounting
GMDE	SolDate 3700TL+BM024		RS485(9600)	On-grid	No	Yes	V2.0.1	Wall mounting

*When compatible with Victron Multi/Quattro in off-grid application via Venus-device, it is requried 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 availble for RS485 communication, for the rest types of Axpert only available for manual settings. When using VM III and King, only launch firmware 02.61 or higher can work with Force L1/L2. ***When compatible with Growatt SPF/M series corrending type, according to inverter logic, the depth of discharge (DoD) of battery shall be set to 80% or lower. Otherwise may lead to system shut down and need of manuallyrecharge battery. ****When compatible with SMA SI4.4-M / SI6.0-H / SI8.0-H, it's required to follow the min. configuration table from SMA for a guaranteed configuration. The Force L1/L2 is not compatible with SMA SI series. *****When compatible with Senergy inverter, max. configure 1 string of battery system, do not support multiple strings connection.

High Voltage 100 - 1000V Energy Storage Solution

Brand of Inverter	Inverter Type	Battery	Communication	Application	Key Features Activation	Key Features Force Charge	Firmware Ver.	Installation
Ingeteam Power Technology	ISS 1Play 3TL / 6TL		CAN	On/off-grid	Yes	Yes	ABH1002AA ABH1003_Q(disp)	Wall mounting
Ingeteam Power Technology	ISS 1Play 3TL M / 6TL M		CAN	On/off-grid	Yes	Yes	ABH1007_A ABH1003_Q(disp)	Wall mounting
Solis	RH1-1P-HVES-5G series(1)		CAN	On/off-grid	Yes	Yes	V08(1) 4002E(2)	Wall mounting
Solis	RHI-3P-HVES-5G series(2)	Powercube X1 / X2 Powercube H1 / H2 Force H1 / H2	CAN	On/off-grid	Yes	Yes	V08(1) 4002E(2)	Wall mounting
Sungrow	SH5.0/6.0/8.0/10.0RT		CAN	On/off-grid	Yes	Yes	SAPPHIRE-H_V11_V01_A	Wall mounting
Delios s.r.l.	DLX HV series		CAN	On/off-grid	Yes	Yes	V3.00	Wall mounting
Goodwe	EH/ET/BT/BH series		CAN	On/off-grid	Yes	Yes	V14	Wall mounting
EATON	xStorage Home 3P Series		CAN	On/off-grid	Yes	Yes	V3.00	Wall mounting
SolarMax	ES-T Series		CAN	On/off-grid	Yes	Yes	V3.00	Wall mounting
Deye(Sunsynk)	SUN-5~20K-SG01HP3-EU* SUN-20~30K-SG01HP3-US* SUN-29.9~50K-SG01HP3-EU*		CAN	On/off-grid	Yes	Yes	2001-X018	Wall mounting
Lux Power	Hybrid HB series		CAN	On/off-grid	Yes	Yes		Wall mounting
Redback	RB-HVS(ST10000)(1) RB-HVS-AC(SB7200)(2)		Modbus RTU	On/off-grid	Yes	Yes	V2.6(1) V2.9(2)	Cabinet
Sofar	HYD 10000/15000/20000 TL-3PH		CAN	On/off-grid	Yes	Yes	FW: D0110036 DSP: V010027	Wall mounting
Sunways	STH-4-12KTL-HT series STH-3-8KTL-HS series		CAN	On/off-grid	Yes	Yes	ARM: V0054	Wall mounting

Compatibility List of Pylontech ESS and Inverters

					Key Features			
Brand of Inverter	**Inverter Type**	**Battery**	**Communication**	**Application**	**Activation**	**Force Charge**	**Firmware Ver.**	**Installation**
			High Voltage 100 - 1000V Energy Storage Solution					
eCACTUS	WH-SPA-3.68H(1) WH-SPA-5.0H(1) WH-SHC series(2) WH-THA series(2)	Powercube X1 / X2 Powercube H1 / H2 Force H1 / H2	Modbus RTU	On/off-grid	Yes	Yes	21426-004R(1) 21426-005R(1) 511-00007-03(2)	Wall mounting
Salicru S.A.	EQX2 3001-8002-HSX series EQX2 4002-12002-HT series		CAN	On/off-grid	Yes	Yes	V1 . 28 . 45 . 04 . 00	Wall mounting
HYPONTECH	HHS series(1) HBS series(1) HHT series(2) HBT series(2)		CAN	On/off-grid	Yes	Yes	Ver.23(1) Ver.29(2)	Wall mounting
AISWEI	ASW06H/08H/10H/12H/15H-T1		CAN	On/off-grid	Yes	Yes	DSP:1.04.00 ARM:V610-60005-02	Wall mounting
SOLINTEG	MHT-4~20K Series MHT-25~50K Series MHS-3~8K Series MRT-4~20K Series MRT-25~50K Series MRS-3~8K Series		CAN	On/off-grid	Yes	Yes	ARM: V00(18)	Wall mounting
ETEK	ETH-3~8KTL-HS Series ETH-4~20KTL-HT Series ETH-25~50KTL-HT Series		CAN	On/off-grid	Yes	Yes	ARM: V00(18)	Wall mounting
MEGAREVO	R6~12KH3 Series		CAN	On/off-grid	Yes	Yes	ARM:V1.02.13 DSP:V1.03.14	Wall mounting
MEGAREVO	R6~12KH1NA Series		CAN	On/off-grid	Yes	Yes	ARM:V1.01.41 DSP:V1.02.20	Wall mounting
Hoymiles	HYT-HV Series HAT-HV Series		CAN	On/off-grid	Yes	Yes	Power - V00.04.07 Safety - V00.04.06 System - V00.02.18	Wall mounting
LEDIT	FVDx series		CAN	On/off-grid	Yes	Yes	V3.00	Wall mounting
Sermatec	SMT-10K/30K/50K-TL-TH		CAN	On-grid	Yes	Yes		Wall mounting
Imeon Energy	3/3.7/4.6/5HV		CAN	On/off-grid	Yes	Yes	V1.10	Wall mounting
Growatt	SPH10000TL3		CAN	On/off-grid	Yes	Yes	V410	Wall mounting
Tsun	TSOL-H/A-3.0~6.0K-H		CAN	On/off-grid	Yes	Yes	DSP:V1.0; ARM:V1.14	Wall mounting
GMDE	TB5200TD		CAN	On-grid	Yes	Yes	1.0.3	Wall mounting
Voltronic	Infinisolar TX-PA 30K	Powercube H1 / H2 Powercube M1	Modbus RTU	On/off-grid	Yes	Yes	2008.27.12	Cabinet
Blue Mountain Energy	BME-20 BME-30		Modbus RTU	On/off-grid	Yes	Yes	21-01-27 DSP:2101.2212 MCU:2011.1712	Cabinet
ATESS	HPS30/50/100/120/150		CAN	On/off-grid	Yes	Yes	HPS30K_150K_HV3_SV9.1.39	Cabinet
MEGAREVO	MPS0050~0500 Series		CAN	On/off-grid	Yes	Yes	V302B400D014	Cabinet
MEGAREVO	MEGA0030~0500TS Series MEGA0500/MEGA0630		CAN	On/off-grid	Yes	Yes	V102B500D014	Cabinet
Growocol	GW-MPS0030~0500 Series		CAN	On/off-grid	Yes	Yes	V302B400D014	Cabinet
Efacec	Battery Inverter		Customised with additional EMS	On/off-grid				Cabinet
Ferroamp	EnergyHub							
Sungrow	SC series							
Sinexcel	PWS/PWG series							
Kehua	BCS series							

*When compatible with Deye hybrid inverter mentioned in the list above, make sure the Battery Controller firmware is as below or higher:
(1)Force-H1/H2: V1.7; (2) Force-H1/H2-V2: V1.1; (3) Powercube-X/H: V5.7; Powercube-X/H-V2: V1.2.

Please note: Compatibility tests with different brands of inverters are continuously ongoing. This list will be updated periodically, For any queries, please contact service@pylontech.com.cn
Ver 2.15 Last Updated: 09/02/2023