Compatibility List of Pylontech Low Voltage ESS and Inverters Ver.2.42.xlsx

48V ESS

Last Update: 2026/1/4

Inverter Brand	Inverter Type	Battery	COMM.	Application	Key Features		Firmware Ver
					Activation	Force Charge	
Victron Energy	Multiplus 48V (via Venus OS)	US2000 US2000V2 US3000 US2000C US3000C US3000D US5000 US5000-B UP5000 UF5000 Force-L1/L2 Pelio-L Fidus Battery Fidus Battery Plus	CAN	On/off-grid[a]	Yes	Yes	422/V2.15
Victron Energy	Quattro 48V (via Venus OS)		CAN	On/off-grid[a]	Yes	Yes	422/V2.15
SMA Solar Technology AG	SI 4.4-M		CAN	On/off-grid[d]	No	Yes	
SMA Solar Technology AG	SI 6.0-H						
SMA Solar Technology AG	SI 8.0-H						
SMA Solar Technology AG	SI 6048US						
Schneider-Electric	Conext XW Pro series		CAN	On/off-grid	Yes	Yes	Gateway: V1.06 XW+ Pro: V1.04（UL) / V1.05 (IEC)
Goodwe	GW-BP/SBP		CAN	On-grid	Yes	Yes	
Goodwe	GW-ES/ES-C10[h]		CAN	On-grid	Yes	Yes	
Goodwe	EM		CAN	On-grid	Yes	Yes	
Imeon Energy	IMEON 3.6		CAN	On/off-grid	Yes	Yes	V1.7.6.5
Imeon Energy	IMEON 9.12		CAN	On/off-grid	Yes	Yes	V1.7.6.5
Studer Innotec	Xtender 48V serie		CAN	On/off-grid	Yes	Yes	R652
Studer Innotec	VarioString serie		CAN	On/off-grid	Yes	Yes	R652
Studer Innotec	VarioTrack 48V serie		CAN	On/off-grid	Yes	Yes	R652
Selectronic	SPMC 480		CAN	On/off-grid	No	Yes	
Selectronic	SPMC 481		CAN	On/off-grid	No	Yes	
Selectronic	SPMC 482		CAN	On/off-grid	No	Yes	
Voltronic	Infinisolar series 48V		RS485(9600)	On/off-grid	Yes	Yes	V1.00
Voltronic	Axpert series 48V[b]		RS485(9600)	On/off-grid	Yes	Yes	V2.61
Sofar	ME3000SP		RS485(115200)/ CAN	On-grid	Yes	Yes	V1.2
Sofar	HYD series		RS485(115200)/ CAN	On-grid	Yes	Yes	V1.2
CHINT POWER	ECH3K ~ 6K-SML-EU		CAN	On/off-grid	Yes	Yes	LCD: 29.08
CHINT POWER	ECA3K ~ 6K-SNL-EU						DSP: 05.95
APsystems	EZHI series		CAN	On/off-grid	Yes	Yes	1.0.4.0
APsystems	ELS-5		CAN	On-grid	Yes	Yes	Hardware version Rev1.2.4 Software version Rev1.2.X
APsystems	ELT-12		CAN	On/off-grid	Yes	Yes	1.1.5.10_1.1.3.12_1.0.11.0
APsystems	ELS-11.4		CAN	On/off-grid	Yes	Yes	1.1.6.X
APsystems	AHS-6.3		CAN	On/off-grid	Yes	Yes	1.1.6.X
Sermatec	SMT-5K-TL-LV		RS485(9600)/CAN	On/off-grid	Yes	Yes	
Zucchetti Centro Sistemi	Azzurro 3000SP		RS485(115200)/ CAN	On-grid	Yes	Yes	V1.2
Zucchetti Centro Sistemi	Azzurro HYD3000/6000-ES		RS485(115200)/ CAN	On-grid	Yes	Yes	V1.2
Solis	RHI/RAI series		CAN	On/off-grid	PV only	Yes	90009
Solis	S5-EA1P-L / S5-EH1P-L series		CAN	On/off-grid	Yes	Yes	
Solis	S6-EA1P-L / S6-EO1P-48(-EU)		CAN	On/off-grid	Yes	Yes	
Solis	S6-EH1P-L / S6-EH1P-L-PLUS / S6EH1P-NV-YD-L		CAN	On/off-grid	Yes	Yes	
Solis	S6-EH2P-SV-YD-L(-US)		CAN	On/off-grid	Yes	Yes	
Solis	S6-EH3P-NV-YD-L / S6-EH3P-LV-YD-L		CAN	On/off-grid	Yes	Yes	
Deye (Sunsynk)	SUN-SG01LP1 series		CAN	On/off-grid	Yes	Yes	V1586
Deye (Sunsynk)	SUN-SG03LP1 series		CAN	On/off-grid	Yes	Yes	V1586

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					Activation	Force Charge	
Deye (Sunsynk)	SUN-SG04LP1 series		CAN	On/off-grid	Yes	Yes	
Deye (Sunsynk)	SUN-SG04LP3 series		CAN	On/off-grid	Yes	Yes	
Deye (Sunsynk)	SUN-SG05LP3 series		CAN	On/off-grid	Yes	Yes	
Deye (Sunsynk)	SUN-OG02LP1 series		CAN	On/off-grid	Yes	Yes	
Alpha & Outback Energy	SPCIII-5000-48		RS485 (9600)	Off-grid	Yes	Yes	91.24
Alpha & Outback Energy	SPCIII-7200-48						45.06
Alpha & Outback Energy	SPCIIIS-5000-48						71.1
Lux Power	LXP 3-6K Hybrid		CAN	On/off-grid	Yes	Yes	AA1.0
Lux Power	ACS series						AA1.0
Lux Power	SNA series						AA1.0
Lux Power	LXP-LB-EU Series						EA1.0 (for 8K/10K model)
Lux Power	LXP-LB-US Series						fA1.0 (for 12K model)
Sungrow	MG-5/6/8/10-RL Series		CAN	On-grid	Yes	Yes	
Morningstar	TriStar MPPT in 48V		N/A	On/off-grid	PV only	No	v32b
Morningstar	TriStar MPPT 600V in 48V		N/A	On/off-grid	PV only	No	v32b
Morningstar	TriStar PWM TS-45 in 48V		N/A	On/off-grid	PV only	No	v32b
Morningstar	GS-MPPT-60M/80M/100M-200V[f]		CAN	On/off-grid	PV only	No	v2.0
Delios s.r.l.	DLS/C series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
Delios s.r.l.	DLS AC series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
Ingeteam Power Technology	ISS 1Play TL M series		CAN	On/off-grid	Yes	Yes	ABH1007_D
MLT	Oasis 448		N/A	Off-grid	No	Yes	V2.19
MLT	Oasis 648		N/A	Off-grid	No	Yes	V2.19
Steca	Solarix PLI 5000-48		N/A	Off-grid	Manual	No	
SAJ	Sunfree series		RS485(9600)	On/off-grid	Yes	Yes	V2.031/V1.037
SAJ	H1 series		CAN	On/off-grid	Yes	Yes	V2.094/V1.318
SolarMax	ES series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
SolarMax	AC series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
Growatt	SPH 3000 - 6000		CAN	On/off-grid	No	Yes	RA1.0
Growatt	SPF 2000 - 5000 HVM-48/ LVM-48P[c]		RS485(9600)	On/off-grid	No	Yes	GW500.08/502.05/503.03/507.03
Growatt	SPF 5000 ES / SPF 6000 ES PLUS		CAN	On/off-grid	Yes	Yes	Main CPU 067.02 / Slave CPU 068.02
Growatt	SPF 12000T DVM-US		CAN	On/off-grid	Yes	Yes	
Growatt	M2000H/3000H/5000H - 48[c]		RS485(9600)	On/off-grid	No	Yes	SK001.11/012.06/013.03/035.00

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					Activation	Force Charge	
Sol-Ark	Sol-Ark-5K/8K-48-ST	US2000 US2000V2 US3000 US2000C US3000C US3000D US5000 US5000-B UP5000 UF5000 Force-L1/L2 Pelio-L Fidus Battery Fidus Battery Plus	CAN	On/off-grid	Yes	Yes	V1430
Sol-Ark	Sol-Ark-5K-120V		CAN	On/off-grid	Yes	Yes	V1430
Sol-Ark	Sol-Ark-8K-120/230V		CAN	On/off-grid	Yes	Yes	V1430
Sol-Ark	Sol-Ark-8K-230-1P		CAN	On/off-grid	Yes	Yes	V1430
Sol-Ark	Sol-Ark-12K-P,		CAN	On/off-grid	Yes	Yes	V1430
Sol-Ark	Sol-Ark-12K-3P-380V		CAN	On/off-grid	Yes	Yes	V1430
Sol-Ark	Limitless 15K-LV		CAN	On/off-grid	Yes	Yes	V1430
AXIOMA energy	ISPWM 5000		N/A	On/off-grid	No	No	
AXIOMA energy	ISMPPT BF 3000 - 5000		N/A	On/off-grid	No	No	
AXIOMA energy	ISGRID (BF) 3000 - 5000		N/A	On/off-grid	No	No	
Phocos	Any-grid PSW-H-5kW-230/48V		RS485(9600)	On/off-grid	Yes	Yes	V1.00
Western CO.	LEONARDO PRO 3000/48 Li （via Western LK3)		CAN	On/off-grid	Yes	Yes	V1.1
EFFEKTA	AX-M1 4000/5000-48 (via Com Box)		RS485(9600)	On/off-grid	Yes	Yes	54.40/74.40
EFFEKTA	AX-K1 4000/5000-48 (via Com Box)		RS485(9600)	On/off-grid	Yes	Yes	14.40/34.40
EFFEKTA	AX-M2 4000/5000-48		RS485(9600)	On/off-grid	Yes	Yes	51.00/72.01
Kehua	SPH5000-BL		CAN	On-grid	Yes	Yes	V1.00.013
Noark	Ex9N-DH-3~8KS-AU series		CAN	On/off-grid	Yes	Yes	V1139
Noark	Ex9N-DH-5~12KT-AU series		CAN	On/off-grid	Yes	Yes	V1139
HYPONTECH	HES 3000 - 6000		CAN	On/off-grid	Yes	Yes	DSP: V1.0.0.21 ARM: V1.0.0.12
INVT	BD series(1) XD3~6KTL series(2)		CAN	On/off-grid	Yes	Yes	V1.06(1) 417-412-207(2)
TBB	Kinergier Pro: CK-II 2.0S-3.0S (1)		CAN	On/off-grid	No	Yes	LCD:V1.13 DSP:V1.24(1) LCD:V1.14 DSP:V1.11(2) LCD:V1.28 DSP:V1.30(3)
TBB	CK-II 2.0M-3.0M(2), CK4.0S-8.0S(3)				No		LCD:V1.13 DSP:V1.24(1) LCD:V1.14 DSP:V1.11(2) LCD:V1.28 DSP:V1.30(3)
TBB	Kinergier Pro-II: CK-II 3.0M-8.0S				Yes		LCD:V2.00 DSP:V2.00
TBB	RiiO: 2KVA - 6KVA(1)				Yes		LCD:V1.11 DSP:V2.06 (1)
TBB	RiiO II: 3KVA - 8KVA(2)				Yes		LCD:V1.04 DSP:V1.03(2)
TBB	RiiO Sun: 2KVA - 6KVA(3)				Yes		LCD:V1.11 DSP:V2.06 MPPT:V1.10(3)
TBB	RiiO Sun II: 3KVA - 8KVA(4)				Yes		LCD:V1.04 DSP:V1.03(4)
TBB	Apollo Matrix: 3.0M-5.0S				Yes		LCD:V1.15 DSP:V1.24 MPPT:V1.10
TBB	Apollo Maxx: 2.0M-5.0S				Yes		LCD:V1.11 DSP:V1.11 MPPT:V1.10
TBB	Tyrann Series: 10.0S-15.0S				Yes		LCD:V1.0 DSP:V1.0
EPEVER	UP3000-HM5041(RTU)		RS485(115200)		Yes	Yes	SV1.73
EPEVER	UP3000-HM8041(RTU)						SV1.82
EPEVER	UP3000-HM5042(RTU)						SV1.83
EPEVER	UP5000-HM8042(RTU)						SV1.84
Afore	AF1~3.6K-SL-1 Series		CAN	On/off-grid	Yes	Yes	1.01
Afore	AF3~6K-SL Series		CAN	On/off-grid	Yes	Yes	1.01

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					Activation	Force Charge	
Afore	AF4~6K-SLP Series	US2000 US2000V2 US3000 US2000C US3000C US3000D US5000 US5000-B UP5000 UF5000 Force-L1/L2 Pelio-L Fidus Battery Fidus Battery Plus	CAN	On/off-grid	Yes	Yes	1.01
Afore	AF1~3.6K-ASL-1 Series		CAN	On/off-grid	Yes	Yes	1.01
Afore	AF3~6K-ASL Series		CAN	On/off-grid	Yes	Yes	1.01
Afore	AF1~6K-SL-0 Series		CAN	On/off-grid	Yes	Yes	1.01
Afore	AF1~6K-ASL-0 Series		CAN	On/off-grid	Yes	Yes	1.01
MUST	PV1800 VHM 3KW - 5.5KW		CAN	On/off-grid	No	Yes	1.17.06
Moixa	Smart Battery V4 3000		CAN	On-grid	Yes	Yes	V2.2.1
Moixa	GridShare Hub		CAN	On-grid	Yes	Yes	V2.2.1
MEGAREVO	RKL1 Series		CAN	On/off-grid	Yes	Yes	ARM: 1.00.28 DSP: 1.01.23
MEGAREVO	R5K/6K/7K/8KLNA		CAN	On/off-grid	Yes	Yes	ARM:1.03.12 DSP:1.04.11□
AISWEI	ASW3000/3680/4000/5000H-S		CAN	On/off-grid	Yes	Yes	master v610-02001-00
AISWEI	ss						DSP:V610-02003-01 Safety:V610-10008-03
SOROTEC	REVO II - 48V Series		CAN	On/off-grid	Yes	Yes	Inverter:1.5.4 Control board: 64
SOROTEC	REVO E PLUS - 48V Series			On/off-grid			
SOROTEC	REVO VM II - 48V Series			Off-grid			
SOROTEC	REVO VM PLUS - 48V Series			Off-grid			
FSP Power Solution GmbH	PowerManager series 4-15kW Offgrid PMI III / Zero		RS485(9600)	On/off-grid	Yes	Yes	V1.00 V2.61
Senergy	SE 4K6/5K/6KHB-60/120		RS485(9600)[e]	On/off-grid	PV only	Yes	0.6.0
Senergy	SE 4K6/5K/6KAC				No	Yes	
Livoltek	Hyper series		CAN	On/off-grid	Yes	Yes	1.78
Livoltek	Retro series			Off-grid	Yes	Yes	ARM V0.59 DSP V0.13
Livoltek	GF1-3K/5K48S1						
Livoltek	BV1-3K/5K48S1						
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
Hoymiles	HAS-LV Series						
Solavita	SWH3600 ~ 6000L-S1-SR		RS485	On/off-grid	Yes	Yes	V2.85.37
Solavita	SWH008 ~ 012KL-S1-SR		RS485	On/off-grid	Yes	Yes	V8.31.13
CE+T	Sierra 25 （48Vdc）		CAN	On/off-grid	Yes	No	V16.4.0
SRNE	HF/HFP/HESP/HYP Series		RS485	On/off-grid	Yes	Yes	
SRNE	ASF/ASP/ABP Series		RS485	On/off-grid	Yes	Yes	
EAST	EAHI-3000 ~ 6000-SL		RS485	On/off-grid	Yes	Yes	master V1001, dsp V1004
LEDIT	FVDi series		CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
Growocol	MKS IV 5.6KW -B		RS485(9600)	On/off-grid	Yes	Yes	
Growocol	MKS IV 6KW TWIN		RS485(9600)	On/off-grid	Yes	Yes	
Growocol	MAX II-8000		RS485(9600)	On/off-grid	Yes	Yes	
OPTI-Solar	SP5000 Brilliant series		RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32
OPTI-Solar	SP5000 Regal/Handy Plus		RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32
OPTI-Solar	SP4000/10000 Premium		RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32

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					Activation	Force Charge	

[a] 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.

[b] 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.

[c] When compatible with Growatt SPF/M series correponding 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 manually recharge battery.

[d] 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.

[e] When compatible with Senergy inverter, max. configure 1 string of battery system, donot support multiple strings‘ connection.

[f] When compatible with GS-MPPT-60M/80M/100M-200V, it requires optional ReadyBMS accessory.

[g] When compatible withP721730001, please make sure the discharge cut off voltage is higher than 47V.

[h] Not Compatible with Pelio-L and UF5000.

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