

Compatibility List of Pylontech ESS and Inverters

Ver.2.31 Last Update: 04/08/2024

48V Energy Storage Solution

(US2000 / US2000V2 / US3000 / US2000C / US3000C / US5000 / US5000-B / UP5000 / UF5000 / Phantom-S / Force-L/L2 / Pello-L)

Inverter Brand	Inverter Type	Communication	Application	Key Features		Firmware Ver
				Activation	Force Charge	
Victron Energy	Multiplus 48V (via Venus OS)	CAN	On/off-grid*	Yes	Yes	422/V2.15
	Quattro 48V (via Venus OS)	CAN	On/off-grid*	Yes	Yes	422/V2.15
SMA Solar Technology AG	SI 4.4-M	CAN	On/off-grid***	No	Yes	
	SI 6.0-H					
	SI 8.0-H					
	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	CAN	On-grid	Yes	Yes	
	SBP GW-ES	CAN	On-grid	Yes	Yes	
	EM	CAN	On-grid	Yes	Yes	
Imeon Energy	IMEON 3.6	CAN	On/off-grid	Yes	Yes	V1.7.6.5
	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
	VarioString serie	CAN	On/off-grid	Yes	Yes	R652
	VarioTracker 48V serie	CAN	On/off-grid	Yes	Yes	R652
Selectronic	SPMC 480	CAN	On/off-grid	No	Yes	
	SPMC 481	CAN	On/off-grid	No	Yes	
	SPMC 482	CAN	On/off-grid	No	Yes	
Voltronic	Infinsolar series 48V	RS485(9600)	On/off-grid	Yes	Yes	V1.00
	Expert series 48V**	RS485(9600)	On/off-grid	Yes	Yes	V2.61
Sofar	ME3000SP	RS485(115200)/CAN	On-grid	Yes	Yes	V1.2
	HYD series	RS485(115200)/CAN	On-grid	Yes	Yes	V1.2
CHINT POWER	ECH3K - 6K-SML-EU ECA3K - 6K-SNL-EU	CAN	On/off-grid	Yes	Yes	LCD: 29.08 DSP: 05.95

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Inverter Brand	Inverter Type	Communication	Application	Key Features		Firmware Ver
				Activation	Force Charge	
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
	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
	S5-EA1P3K-L S6-EA1P(3.6-6)K-L S6-EO1P(4-5)K-48 S5-EH1P(3-6)K-L S6-EH1P(3-6)K-L-EU	CAN	On/off-grid	PV only	Yes	
	Redback	SH5000	RS485(115200)	On-grid	PV only	No
	Deye(Sunsynk)	SUN-SG01LP1 series	CAN	On/off-grid	Yes	Yes
SUN-SG03LP1 series		CAN	On/off-grid	Yes	Yes	V1586
SUN-SG04LP1 series		CAN	On/off-grid	Yes	Yes	
SUN-SG04LP3 series		CAN	On/off-grid	Yes	Yes	
Alpha & Outback Energy	SPCIII-5000-48	RS485(9600)	Off-grid	Yes	Yes	91.24
	SPCIII-7200-48					45.06
	SPCIII-S-5000-48					71.1
Lux Power	LXP 3-6K Hybrid	CAN	On/off-grid	Yes	Yes	AA1.0
	ACS series					AA1.0
	SNA series					AA1.0
	LXP-LB-EU Series LXP-LB-US Series					EA1.0 (for 8K/10K model) IA1.0 (for 12K model)
Sungrow	SH5K	CAN	On-grid	Yes	Yes	V13
Morningstar	TriStar MPPT in 48V	N/A	On/off-grid	PV only	No	v32b
	TriStar MPPT 600V in 48V	N/A	On/off-grid	PV only	No	v32b
	TriStar PWM TS-45 in 48V	N/A	On/off-grid	PV only	No	v32b
	GS-MPPT-60M/80M/100M-200V*****	CAN	On/off-grid	PV only	No	v2.0
Delis s.r.l.	DLS/C series	CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
	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
	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
	H1 series	CAN	On/off-grid	Yes	Yes	V2.094/V1.318

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Inverter Brand	Inverter Type	Communication	Application	Key Features		Firmware Ver
				Activation	Force Charge	
SolarMax	ES series	CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
	AC series	CAN	On/off-grid	No	Yes	A 1.30; B 1.18; C1.27
Growatt	SPH3000 - 6000	CAN	On/off-grid	No	Yes	RA1.0
	SPF2000 - 5000 HVM-48/LVM-48P***	RS485(9600)	On/off-grid	No	Yes	GW500.08/502.05/503.03/507.03
	M2000H/3000H/5000H - 48***	RS485(9600)	On/off-grid	No	Yes	SK001.11/012.06/013.03/035.00
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
AXIOMA energy	ISPWM 5000	N/A	On/off-grid	No	No	
	ISMPPPT BF 3000 - 5000	N/A	On/off-grid	No	No	
	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
	AX-K1 4000/5000-48 (via Com Box)	RS485(9600)	On/off-grid	Yes	Yes	14.40/34.40
	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 Ex9N-DH-5-12KT-AU series	CAN	On/off-grid	Yes	Yes	V1139
INVT	BD series	CAN	On/off-grid	Yes	Yes	V1.06
TBB	Kinergier Pro: CK-II 2.0S-8.0S (1) CK-II 2.0M-8.0M(2), CK4.0S-8.0S(3)	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)
	Kinergier Pro II: CK-II 3.0M-8.0S			Yes		LCD:V2.00 DSP:V2.00
	RiO: 2KVA - 6KVA(1)			Yes		LCD:V1.11 DSP:V2.06 (1) LCD:V1.04 DSP:V1.03(2)
	RiO II: 3KVA - 8KVA(2)			Yes		LCD:V1.11 DSP:V2.06 MPPT:V1.10(3) LCD:V1.04 DSP:V1.03(4)
	RiO Sun: 2KVA - 6KVA(3)			Yes		LCD:V1.15 DSP:V1.24 MPPT:V1.10
	RiO Sun II: 3KVA - 8KVA(4)			Yes		LCD:V1.11 DSP:V1.11 MPPT:V1.10
	Apollo Matrix: 3.0M-5.0S			Yes		LCD:V1.0 DSP:V1.0
	Apollo Maxx: 2.0M-5.0S			Yes		
	Tyrann Series: 10.0S-15.0S			Yes		
	EPEVER			UP3000-HM5041(RTU) UP3000-HM8041(RTU) UP3000-HM5042(RTU) UP5000-HM8042(RTU)		RS485(115200)
Afore	AF1-3.6K-SL-1 Series AF3-6K-SL Series AF4-6K-SLP Series AF1-3.6K-ASL-1 Series AF3-6K-ASL Series AF1-6K-SL-0 Series 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
	GridShare Hub	CAN	On-grid	Yes	Yes	V2.2.1

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Inverter Brand	Inverter Type	Communication	Application	Key Features		Firmware Ver
				Activation	Force Charge	
MEGAREVO	RKL1 Series	CAN	On/off-grid	Yes	Yes	ARM: 1.00.28 DSP: 1.01.23
	RSK/6K/7K/8K/LNA	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
	ASW3000/3680/4000/5000/6000H-S2					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
	REVO E PLUS - 48V Series		Off-grid			
	REVO VM II - 48V Series					
	REVO VM PLUS - 48V Series					
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/6K/HB-60/120	RS485(9600)****	On/off-grid	PV Only	Yes	0.6.0
	SE 4K6/5K/6KAC		No	Yes		
Livoltek	Hyper series	CAN	On/off-grid	Yes	Yes	1.78
	Retro series		Off-grid			
	GF1-3K/5K48S1			Yes	Yes	ARM V0.69 DSP V0.13
	BV1-3K/5K48S1			Yes	Yes	
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
	HAS-LV Series					
CE+T	Sierra 25 (48Vdc)	CAN	On/off-grid	Yes	No	V16.4.0
EAST	EAAH1-3000 - 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
Growwcol	MKS IV 5.6kW -B MKS IV 6KW TWIN MAX II-8000	RS485(9600)	On/off-grid	Yes	Yes	
OPFI Solar	SP5000 Brilliant series	RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32
	SP5000 Regal/Handy Plus	RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32
	SP4000/10000 Premium	RS485(9600)	On/off-grid	Yes	Yes	V1.00/00.32
GMDE	SolDate 3700TL+BM024	RS485(9600)	On-grid	No	Yes	V2.0.1

*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 Expert series, only VM III and King two types are available for RS485 communication, for the rest types of Expert 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 SPFM series corresponding 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.
 ****When compatible with SMA S14-M / S16.0-H / S18.0-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, donot support multiple strings' connection.
 *****When compatible with GS-MPPT-60M/80M/100M-200V, it requires optional ReadyBMS accessory.
 *****When compatible withP721730001, please make sure the discharge cut off voltage is higher than 47V.

Note: Compatible tests with different brands of inverter are continuously, updates of this list will be periodically.
 For any query, please contact: service@pylontech.com.cn

