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Compatibility List of Pylontech ESS and Inverters

Ver.2.30 Last Update: 02/25/2024

Inverter Brand	Inverter Type	Battery	Communication	Application	Key Features		Firmware Ver	Installation
					Activation	Force Charge		
Ingeteam Power Technology	ISS 1Play 3TL / 6TL	Powercube X1/X2/H1/H2 Powercube X1/X2/H1/H2-V2 Powercube-M1C Force H1/H2 Force H1/H2-V2 Force-H3	CAN	On/off-grid	Yes	Yes	ABH1002AA ABH1003 (Cridan)	Wall mounting
	ISS 3Play 3TL M / 6TL M		CAN	On/off-grid	Yes	Yes	ABH1007_A ABH1003 (Cridan)	Wall mounting
Solis	RHI-1P-HVES-5G series RHI-3P-HVES-5G series S5-EH1P(3-6)K-L S6-EA1P(3.6-6)K-L S6-EH1P(3-6)K-L-EU S6-EH3P(5-10)K-H-EU S6-EH1P(3.6-11.4)K-H-US		CAN	On/off-grid	Yes	Yes		Wall mounting
SMA Solar Technology AG	SBS 3.7-10 - SBS6.0-10***		CAN	On/off-grid	Yes	Yes	04.04.03.R	Wall mounting
KOSTAL Industrie Elektrik GmbH	PLENTICORE plus*** PLENTICORE plus G2*** PLENTICORE BI ss20*** PLENTICORE BI ss20 G2***		RS485	On/off-grid	Yes	Yes	02.08.xxxx	Wall mounting
Sungrow	SHS.0/6.0/8.0/10.0RT		CAN	On/off-grid	Yes	Yes	SAPPHIRE-H_V11_V01_A	Wall mounting
Deltas s.r.l.	DLX HV series		CAN	On/off-grid	Yes	Yes	V3.00	Wall mounting
Goodwe	EH/BH series ET/BT 5-10KW		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-5~25K-SG03HP3-EU/AU* SUN-29.9~50K-SG01HP3-EU/AU*		CAN	On/off-grid	Yes	Yes	2001-X018	Wall mounting
Sol-Ark	30K-3P-208V-N 60K-3P-480V-N		CAN	On/off-grid	Yes	Yes	1066	Wall mounting
Lux Power	Hybrid HB series		CAN	On/off-grid	Yes	Yes		Wall mounting
Redback	RB-HVS(ST)10000(1) RB-HVS-AC(SB7000)(2)		Modbus RTU	On/off-grid	Yes	Yes	V2.8(1) V2.9(2)	Cabinet
Solar	HYD 10000/15000/20000 TL-3PH		CAN	On/off-grid	Yes	Yes	FW: D0110036 DSP: V010027	Wall mounting
Sunways	STH-4-12KTL-HT series STR-3-8KTL-HS series		CAN	On/off-grid	Yes	Yes	ARM: V0054	Wall mounting
	STR-4-12KTL-HT series STR-3-8KTL-HS series							
eCACTUS	WH-SPA-3.68K(1) WH-SPA-5.0K(1) WH-SHC series(2) WH-THA series(2)		Modbus RTU	On/off-grid	Yes	Yes	21426-004R(1) 21426-005R(1) 511-00007-03(2)	Wall mounting
Senergy	SE 3K~6KHB-HV SE 5K~30KHB-03		CAN	On/off-grid	Yes	Yes	V010000	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.29(1) Ver.29(2)	Wall mounting
AISWEI	ASW06H08H10H12H15H-T1(1) ASW05kH/06kH/08kH/10kH/12kH-T2(2) ASW08kH10kH12kH-T3(2)		CAN	On/off-grid	Yes	Yes	DSP:1.04.00(1) ARM:V0.00-6002-G2(1) V0.00-6001-M(2)	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: V01(08)	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: V01(08)	Wall mounting
MEGAREVO	R6~15KH3 Series		CAN	On/off-grid	Yes	Yes	ARM:V1.02.13 DSP:V1.01.14	Wall mounting
	R5~12KH1NA Series						ARM:V1.01.41 DSP:V1.02.26	
Hoymiles	HYT-HV Series		CAN	On/off-grid	Yes	Yes	Power - V00.04.07 Safety - V00.04.06 System - V00.02.18	Wall mounting
	HAT-HV Series							
KOYOE	KY-EST06KH~KY-EST20KH		CAN	On/off-grid	Yes	Yes	320701	Wall mounting
INVT	XD5/6/8/10/13KTR		CAN	On/off-grid	Yes	Yes	208-208-0-319	Wall mounting
Atore	AF3~6.6K-DH Series AF3~30K-TH Series AF3~12K-THP Series AF3~17K-THA Series AF3~6K-THC Series AF3~15K-THM Series AF3~7K-THMA Series AF3~30K-TH-D Series AF3~12K-THP-D Series AF3~15K-THMA Series AF3~7K-THMA-D Series		CAN	On/off-grid	Yes	Yes	1.01	Wall mounting
AUXSOL	ASG-3.6/5G1-ZH Series ASG-5~12KTL-ZH Series		CAN	On/off-grid	Yes	Yes	A2507	Wall mounting
YARD FORCE	PG3700/4600/5000-SH		CAN	On/off-grid	Yes	Yes	V0011	Wall mounting
Growatt New	PCS-3-4~20kW-25(40)A-1 PCS-1-3~8kW-30A-1 PCS-3-25~50kW-100A-1		CAN	On/off-grid	Yes	Yes	ARM: V01(08)	Wall mounting
SAJ	H2-3K~6K-S2 H2-5K~10K-T2		CAN	On/off-grid	Yes	Yes	V1.018	Wall mounting
SINENG	SN3~6HSU series		CAN	On/off-grid	Yes	Yes	000003000(ARM)	Wall mounting
CE+T	Sierra 25 (380Vdc)		CAN	On/off-grid	Yes	No	V16.12.0	Cabinet
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
Tsun	TSOL-H/A-3.0~6.0K-H		CAN	On/off-grid	Yes	Yes	DSP:V1.0; ARM:V1.14	Wall mounting
GMDE	TBS2000TD		CAN	On-grid	Yes	Yes	1.0.3	Wall mounting
Voltronic	Infinisolar T-X-PA 30K	Powercube H1/H2 Powercube H1/H2-V2 Powercube M1/M2/M3	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:2101.2712 MCU:2011.1712	Cabinet
SOLINTEG	MHT-25~50K Series MRT-25~50K Series		CAN	On/off-grid	Yes	Yes	ARM: V01(08)	Wall mounting
ATESS	HPS30/50/100/120/150		CAN	On/off-grid	Yes	Yes	HPS30K_150K_HV3_SV6.1.3 0	Cabinet
MEGAREVO	MPS0030~0500 Series MEGA0030~0500TS Series MEGA0030(HV)TC(24KW)		CAN	On/off-grid	Yes	Yes	V3028400D014 V1028500D014	Cabinet
Growcool	GW-MPS0030~0500 Series		CAN	On/off-grid	Yes	Yes	V3028400D014	Cabinet
Efacec	Battery Inverter		Customized with additional EMS	On/off-grid				Cabinet
Ferroamp	EnergyHub							
Pramac	PBI Series							
Sungrow	SC series							
Sinecoil	PWSPWG 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-XH: V5.7; Powercube-XH-V2: V1.2.
**Only Force-H1-V2 and Force-H2-V2 are compatible with SMA Sunny Boy Storage inverters mentioned in the list above.
***Only Force-H1-V2 and Force-H2-V2, Force-H3 are compatible with Kostal PLENTICORE series inverter mentioned in the list above.
****Only Powercube XH and Powercube XH V2 series are compatible with CE+T inverter mentioned in the list above.

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

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48V Energy Storage Solution

(US2000 / US2000V2 / US3000 / US2000C / US3000C / US5000 / US5000-B / UP5000 / UF5000 / Phantom-S / Force-L1/L2 / Pelio-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 SI 6.0-H SI 8.0-H SI 6048US	CAN	On/off-grid****	No	Yes	
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
	VarioTrack 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	Infinisolar series 48V	RS485(9600)	On/off-grid	Yes	Yes	V1.00
	Axpert 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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(US2000 / US2000V2 / US3000 / US2000C / US3000C / US5000 / US5000-B / UP5000 / UF5000 / Phantom-S / Force-L1/L2 / Pelio-L)

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	V1586
	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
	SPCIIIS-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					EA1.0 (for 8K/10K model) fA1.0 (for 12K model)
	LXP-LB-US Series					
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
Delios 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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(US2000 / US2000V2 / US3000 / US2000C / US3000C / US5000 / US5000-B / UP5000 / UF5000 / Phantom-S / Force-L1/L2 / Pelio-L)

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	
	ISMPPT 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-3KS-AU Ex9N-DH-3.6KS-AU Ex9N-DH-5KS-AU Ex9N-DH-6KS-AU	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-3.0S (1) CK-II 2.0M-3.0M(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
	RiiO: 2KVA - 6KVA(1) RiiO II: 3KVA - 8KVA(2) RiiO Sun: 2KVA - 6KVA(3) RiiO Sun II: 3KVA - 8KVA(4)			Yes		LCD:V1.11 DSP:V2.06 (1) LCD:V1.04 DSP:V1.03(2) LCD:V1.11 DSP:V2.06 MPPT:V1.10(3) LCD:V1.04 DSP:V1.03(4)
	Apollo Matrix: 3.0M-5.0S			Yes		LCD:V1.15 DSP:V1.24 MPPT:V1.10
	Apollo Maxx: 2.0M-5.0S			Yes		LCD:V1.11 DSP:V1.11 MPPT:V1.10
	Tyrann Series: 10.0S-15.0S			Yes		LCD:V1.0 DSP:V1.0
EPEVER	UP3000-HM5041(RTU)	RS485(115200)		Yes	Yes	SV1.73
	UP3000-HM8041(RTU)					SV1.82
	UP3000-HM5042(RTU)					SV1.83
	UP5000-HM8042(RTU)					SV1.84
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: 1.00.26 DSP: 1.01.23
	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
	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					
	REVO VM II - 48V Series		Off-grid			
	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/6KHB-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					
	GF1-3K/5K48S1		Off-grid	Yes	Yes	ARM V0.59 DSP V0.13
	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
	HAS-LV Series					
CE+T	Sierra 25 (48Vdc)	CAN	On/off-grid	Yes	No	V16.4.0
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 MKS IV 6KW TWIN 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
	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 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 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.
****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, 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 highr than 47V.

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For any query, please contact: service@pylontech.com.cn

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