

Compatibility List of Pylontech ESS and Inverters

Ver.2.19 Last Update: 04/25/2023

| Inverter Brand | Inverter Type | Battery | Communication | Application | Key Features | | Firmware Ver | Installation |
|--------------------------------|--|---|--|-------------|--------------|--|---|---|
| | | | | | Activation | Force Charge | | |
| Ingeteam Power Technology | ISS 1Play 3TL / 6TL | Powercube X1/02H1/H2 Force H1/H2 Force H1/H2-V2 | CAN | Off/rt-grid | Yes | Yes | ABH1000AA ABH1003_G(disp) | Wall mounting |
| | ISS 1Play 3TL M / 6TL M | | CAN | Off/rt-grid | Yes | Yes | ABH1007_A ABH1003_G(disp) | Wall mounting |
| Solis | RH1-1P/HV/ES-5G series(1) RH1-1P/HV/ES-5G series(2) SE/EHTP1/3-11_4/3-4/US | | CAN | Off/rt-grid | Yes | Yes | V08(1) 400XE(Z) | Wall mounting |
| | SMA Solar Technology AG | | SBS 3.7-10 - SB86.0-10** | CAN | Off/rt-grid | Yes | Yes | 04.04.03.R |
| KOSTAL Industrie Elektrik GmbH | PLENTICORE plus*** PLENTICORE plus G2*** PLENTICORE BI xxx26*** PLENTICORE BI xxx26 G2*** | | RS485 | Off/rt-grid | Yes | Yes | 02.08.xxxxx | Wall mounting |
| | Sungrow | | SH6.0/6.0/9.0/10.0RT | CAN | Off/rt-grid | Yes | Yes | SAPPHIRE-H_V11_V01_A |
| Delco s.r.l. | DLX HV series | | CAN | Off/rt-grid | Yes | Yes | V3.00 | Wall mounting |
| Goodwee | EH/EV/ET/BIH series | | CAN | Off/rt-grid | Yes | Yes | V1.4 | Wall mounting |
| EATON | xStorage Home 3P Series | | CAN | Off/rt-grid | Yes | Yes | V3.00 | Wall mounting |
| SolarMax | ES-T Series | | CAN | Off/rt-grid | Yes | Yes | V3.00 | Wall mounting |
| Deye(Sunsynk) | SUN-5-20K-SG01HP3-EU* SUN-20-30K-SG01HP3-EU* SUN-20-9-50K-SG01HP3-EU* | | CAN | Off/rt-grid | Yes | Yes | 2001.X018 | Wall mounting |
| | Lux Power | | Hybrid HB series | CAN | Off/rt-grid | Yes | Yes | |
| Redback | RB-HVS(S11000011) RB-HVS-AC(S1872002) | | Modbus RTU | Off/rt-grid | Yes | Yes | V2.6(1) V2.9(2) | Cabinet |
| | Soter | | HYD 15000/15000/20000 TL-3PH | CAN | Off/rt-grid | Yes | Yes | F.V: D0110036 DSP_V010027 |
| Sunways | STR-4-12KTL-HT series STR-3-8KTL-HS series | | CAN | Off/rt-grid | Yes | Yes | ARM_V0054 | Wall mounting |
| | eCACTUS | | WH-SPA-3.0BH(1) WH-SPA-6.2BH(1) WH-SHC series(2) WH-T14 series(2) | Modbus RTU | Off/rt-grid | Yes | Yes | 21426-004R(1) 21426-008R(1) 511-00007-03(2) |
| Salcini S.A. | EQX2 3001-8002-HX series EQX2 4002-12002-HT series | | CAN | Off/rt-grid | Yes | Yes | V1.02.45_04_00 | Wall mounting |
| HYPONTECH | HHS series(1) HBS series(1) HHT series(2) HBT series(2) | | CAN | Off/rt-grid | Yes | Yes | Ver 2.0(1) Ver 2.0(2) | Wall mounting |
| | ASWEI | | ASW06H08H10H12H15H11 | CAN | Off/rt-grid | Yes | Yes | DSP-1.04.00 ARM.V10-60005-02 |
| SOLNTEG | MHT-4-50K Series MHS-3-8K Series MRT-4-20K Series MRT-25-50K Series MNS-3-8K Series | | CAN | Off/rt-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 | Off/rt-grid | Yes | Yes | ARM_V01(08) | Wall mounting |
| MEGAREVO | RE-12KH3 Series RE-12KH1NA Series | CAN | Off/rt-grid | Yes | Yes | ARM.V1.02.13 DSP.V1.03.14 ARM.V1.01.41 RSP.V1.02.20 | Wall mounting | |
| | Hoymiles | HYT-HV Series HAT-HV Series | CAN | Off/rt-grid | Yes | Yes | Power - V00.04.07 Safety - V00.04.06 System - V00.02.18 | Wall mounting |
| KOYO | KY-EST08KH-KY-EST20KH | CAN | Off/rt-grid | Yes | Yes | 320701 | Wall mounting | |
| Dream Maker | PCS-3-4-20KW-2500K PCS-1-3-8KW-30A-1 PCS-3-25-50KW-100A-1 | CAN | Off/rt-grid | Yes | Yes | ARM_V01(08) | Wall mounting | |
| | SAJ | H2000K-S2 H2000K-T2 | CAN | Off/rt-grid | Yes | Yes | V1.018 | Wall mounting |
| LEDT | LED4 series | CAN | Off/rt-grid | Yes | Yes | V3.00 | Wall mounting | |
| Sermatec | SMH10K/3K/50K-TL-TH | CAN | On-grid | Yes | Yes | | Wall mounting | |
| Imcon Energy | 3/3.7/4.6/9HV | CAN | Off/rt-grid | Yes | Yes | V1.10 | Wall mounting | |
| growatt | SPH10000TL3 | CAN | Off/rt-grid | Yes | Yes | V410 | Wall mounting | |
| Tsun | TSOL-HA-3.0-6.0K-H | CAN | Off/rt-grid | Yes | Yes | DSP-V1.0; ARM-V1.14 | Wall mounting | |
| OLITE | TB8200TD | CAN | On-grid | Yes | Yes | 1.0.3 | Wall mounting | |
| Votronic | Infinisolar TX-PA 30K | Modbus RTU | Off/rt-grid | Yes | Yes | 2008.27.12 | Cabinet | |
| Blue Mountain Energy | BME-20 BME-30 | Modbus RTU | Off/rt-grid | Yes | Yes | 21.01.27 DSP 2101.2212 MCU2011.1712 | Cabinet | |
| | SOLNTEG | MHT-25-50K Series MRT-25-50K Series | CAN | Off/rt-grid | Yes | Yes | ARM_V01(08) | Wall mounting |
| ATESS | HPS3050/100120/150 | CAN | Off/rt-grid | Yes | Yes | HPS30K_150K_HV3_SV3.1.39 | Cabinet | |
| MEGAREVO | MPS0300-0500 Series MEGA0300-0500S Series MEGA0500MEGA0630 | CAN | Off/rt-grid | Yes | Yes | V302B400D014 V102B500D014 | Cabinet | |
| | GrowcooL | GW-MPS0300-0500 Series | CAN | Off/rt-grid | Yes | Yes | V302B400D014 | Cabinet |
| Etraco | Battery Inverter | Customized with additional EMS | Off/rt-grid | | | | | Cabinet |
| Ferrocamp | 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 X1H: V5.7; Powercube X1H-V2: V1.2.
 **Only Force H1-V2 and Force H2-V2 is compatible with SMA Sunny Boy Storage inverters mentioned in the list above.
 ***Only Force H1-V2 and Force H2-V2 is compatible with Kostal PLENTICORE series 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



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48V Energy Storage Solution (US2000 / US2000V2 / US3000 / US2000C / US3000C / US5000 / US5000-B / UP5000 / Phantom-S / Force-L1/L2 / Pelio-L)

| Inverter Brand | Inverter Type | Communication | Application | Key Features | | Firmware Ver | Installation |
|-------------------------|------------------------------|-------------------|-----------------|--------------|--------------|---|---------------|
| | | | | Activation | Force Charge | | |
| Victron Energy | Multiplus 48V (via Venus OS) | CAN | On/off-grid* | Yes | Yes | 422/V2.15 | Wall mounting |
| | 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 |
| | SI 6.0-H | | | | | | |
| | SI 8.0-H | | | | | | |
| 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-grid | Yes | Yes | | Wall mounting |
| | SBP GW-ES | CAN | On-grid | Yes | Yes | | Wall mounting |
| | EM | CAN | On-grid | Yes | Yes | | Wall mounting |
| Imeon Energy | IMEON 3.6 | CAN | On/off-grid | Yes | Yes | V1.7.6.5 | Wall mounting |
| | 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 |
| | VarioString serie | CAN | On/off-grid | Yes | Yes | R652 | Wall mounting |
| | VarioTrack 48V serie | CAN | On/off-grid | Yes | Yes | R652 | Wall mounting |
| Selectronic | SPMC 480 | CAN | On/off-grid | No | Yes | | Wall mounting |
| | SPMC 481 | CAN | On/off-grid | No | Yes | | Wall mounting |
| | SPMC 482 | CAN | On/off-grid | No | Yes | | Wall mounting |
| Voltronic | Infinisolar series 48V | RS485(9600) | On/off-grid | Yes | Yes | V1.00 | Wall mounting |
| | Axpert series 48V** | RS485(9600) | On/off-grid | Yes | Yes | V2.61 | Wall mounting |
| Sofar | ME3000SP | RS485(115200)/CAN | On-grid | Yes | Yes | V1.2 | Wall mounting |
| | HYD series | RS485(115200)/CAN | On-grid | Yes | Yes | V1.2 | Wall mounting |

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| Inverter Brand | Inverter Type | Communication | Application | Key Features | | Firmware Ver | Installation |
|---------------------------|--------------------------|-------------------|-------------|--------------|--------------|---|---------------|
| | | | | Activation | Force Charge | | |
| Sermatec | SMT-5K-TL-LV | RS485(9600)/CAN | On/off-grid | Yes | Yes | | Wall mounting |
| Zucchetti Centro Sistemi | Azzurro 3000SP | RS485(115200)/CAN | On-grid | Yes | Yes | V1.2 | Wall mounting |
| | Azzurro HYD3000/6000-ES | RS485(115200)/CAN | On-grid | Yes | Yes | V1.2 | Wall mounting |
| Solis | RHI series | CAN | On/off-grid | PV only | Yes | 90009 | Wall mounting |
| | RAI series | 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 |
| | 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 |
| | 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 | Wall mounting |
| | ACS 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 | Wall mounting |
| Morningstar | TriStar MPPT in 48V | N/A | On/off-grid | PV only | No | v32b | Wall mounting |
| | TriStar MPPT 600V in 48V | N/A | On/off-grid | PV only | No | v32b | Wall mounting |
| | 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 |
| | DLS AC series | CAN | On/off-grid | No | Yes | A 1.30; B 1.18; C1.27 | Wall mounting |
| Ingeleam 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 |
| | 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 |
| | H1 series | CAN | On/off-grid | Yes | Yes | V2.094/V1.318 | Wall mounting |

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| Inverter Brand | Inverter Type | Communication | Application | Key Features | | Firmware Ver | Installation |
|----------------|--|---------------|-------------|--------------|--------------|-------------------------------|---------------|
| | | | | Activation | Force Charge | | |
| SolarMax | ES series | CAN | On/off-grid | No | Yes | A 1.30; B 1.18; C1.27 | Wall mounting |
| | 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 |
| | SPF2000 - 5000 HVM-48/LVM-48P*** | RS485(9600) | On/off-grid | No | Yes | GW500.08/502.05/503.03/507.03 | Wall mounting |
| | 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 |
| | ISMPT BF 3000 - 5000 | N/A | On/off-grid | No | No | | Wall mounting |
| | 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 |
| | AX-K1 4000/5000-48 (via Com Box) | RS485(9600) | On/off-grid | Yes | Yes | 14.40/34.40 | Wall mounting |
| | AX-M2 4000/5000-48 | RS485(9600) | On/off-grid | Yes | Yes | 51.00/72.01 | Wall mounting |
| 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 |
| | 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 |
| | GridShare Hub | CAN | On-grid | Yes | Yes | V2.2.1 | Wall mounting |

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| Inverter Brand | Inverter Type | Communication | Application | Key Features | | Firmware Ver | Installation |
|-------------------------|---|------------------|-------------|--------------|--------------|---|---------------|
| | | | | Activation | Force Charge | | |
| 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 |
| | ASW3000/3680/4000/5000/6000H-S2 | | | | | 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 |
| | 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 PM 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 |
| | SE 4K6/5K/6KAC | | | No | Yes | | |
| Livoltek | Hyper series | CAN | On/off-grid | Yes | Yes | 1.78 | Wall mounting |
| | Retro series | | | Yes | Yes | | |
| | GF1-3K/5K48S1 | | Off-grid | Yes | Yes | ARM V0.59 DSP V0.13 | Wall mounting |
| | 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 | Wall mounting |
| | HAS-LV Series | | | | | | |
| EAST | Eahi-3000 ~ 6000-SL | RS485 | On/off-grid | Yes | Yes | master V1001, dsp V1004 | Wall mounting |
| LEDIT | FVDi series | CAN | On/off-grid | No | Yes | A 1.30; B 1.18; C1.27 | Wall mounting |
| Growocool | 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 |
| | SP5000 Regal/Handy Plus | RS485(9600) | On/off-grid | Yes | Yes | V1.00/00.32 | Wall mounting |
| | 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 required to have a Victron MPPT or other compatible PV inverter with Victron to avoid the system getting shut down.

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

Note: Compatible tests with different brands of inverter are continuously, updates of this list will be periodically.
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