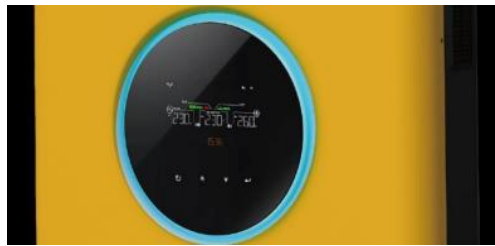




Kodak & Pylontech Setup Guide

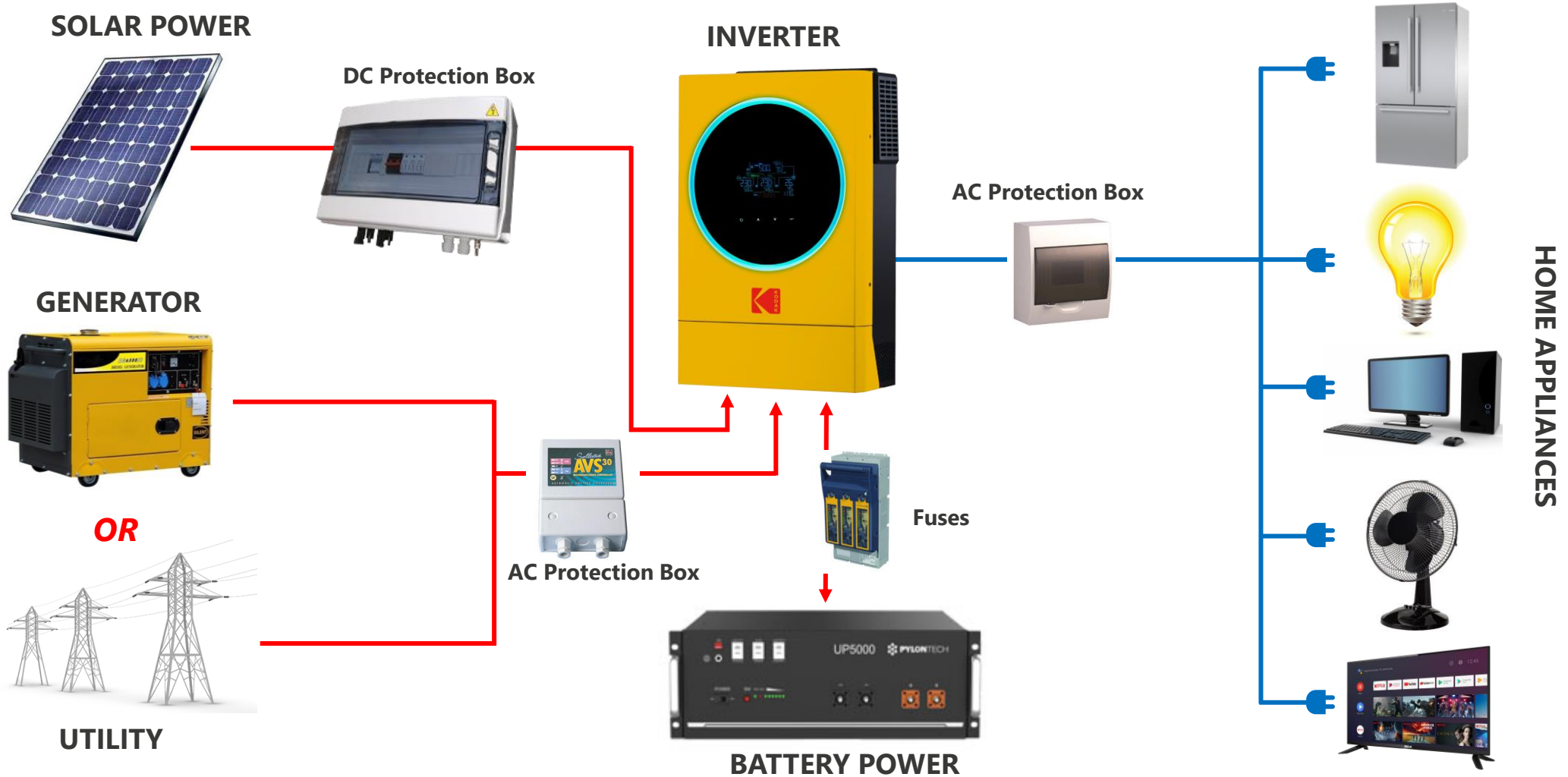




WIRING EXAMPLE



PYLONTECH



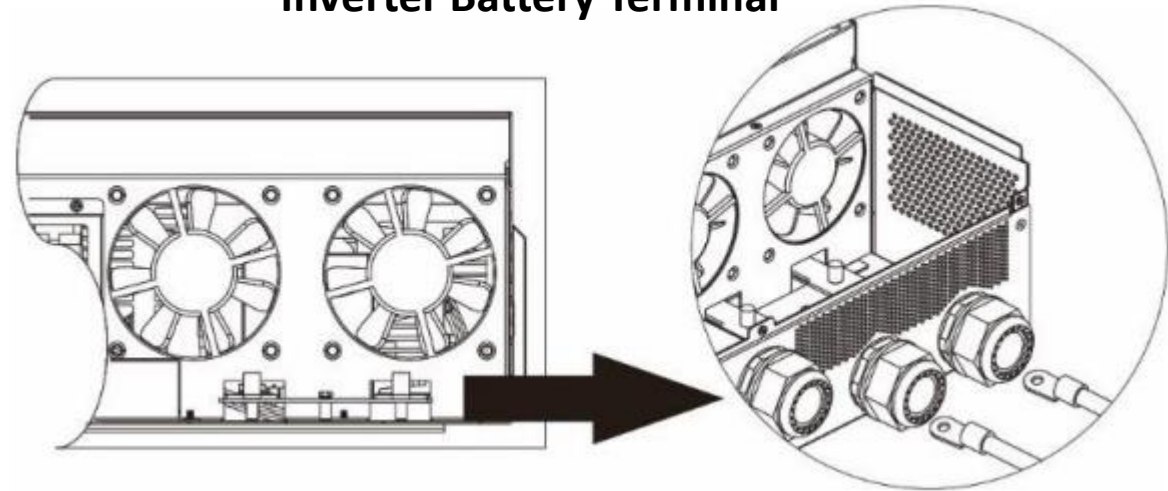


Power Connections

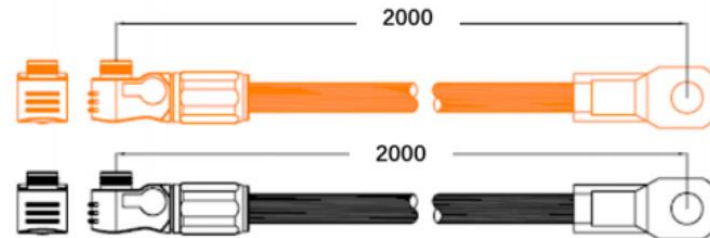


Battery connections

Inverter Battery Terminal



Battery cable – click here to view on the portal [CAB-PK-PYLON](#)



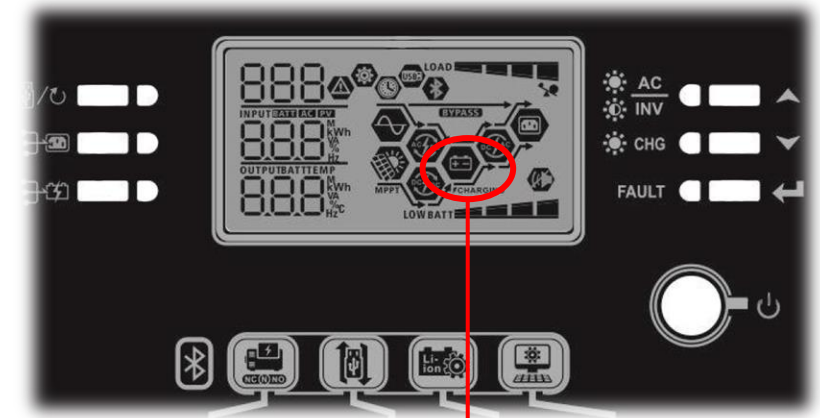


BMS Communication Setup



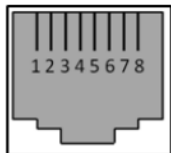
Dipswitch Settings:

Dip1	Dip2	Dip3	Dip4	The corresponding position of switch	Status
0	0	0	0		RS485:115200 CAN terminal resistance: connected
1	0	0	0		RS485:9600 CAN terminal resistance: connected



Battery icon flashing indicates : **Successful BMS communication**

BMS Communication pinouts:



RJ45 Port



RJ45 Plug

	Inverter	Battery
RS485A	5	7
RS485B	3	8

Applicable to RS485 communication with all Kodak inverters

Dipswitch "1" set to "ON" position

NB: Newer Pylontech models (US2000C, US3000C, UP5000) appear upside, set as shown in image



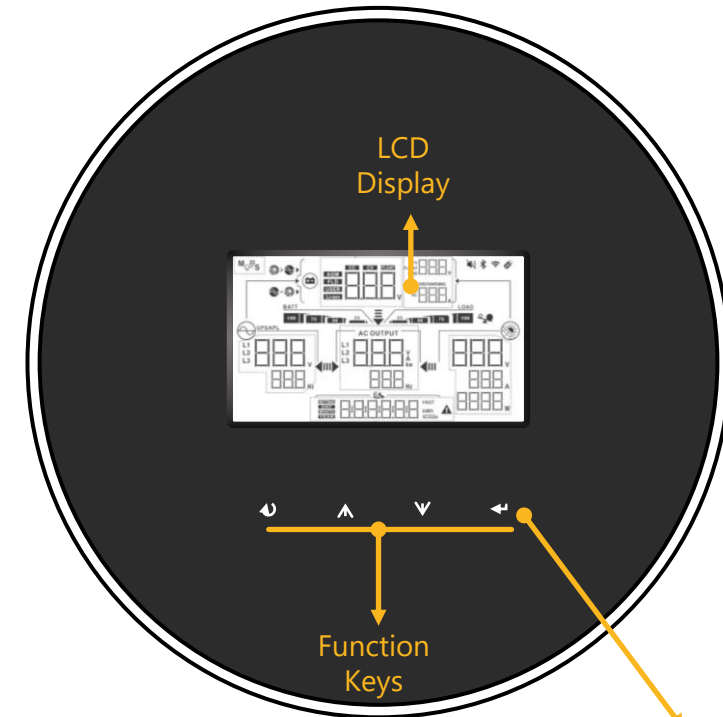
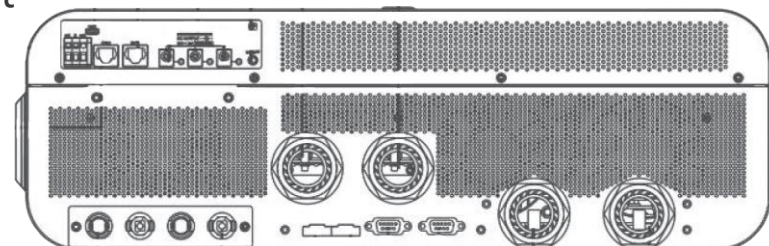
Settings



Settings– Newer versions

- Enter **programming mode**
- **Set 05 : Select PYL for Pylontech Batteries**
- If there is parallel inverters, please select **'USE'** on slave inverters
- Select suitable frequency in the **9th** setting-set to 50Hz.
- If you apply **'SBU'** mode, except for the first steps, the **11th** setting, the maximum charge current from grid should be set according to battery numbers.
- The **12th** setting, discharge voltage limit is recommended to not be set below **46V**.
- The 13th setting, charge voltage limit recommended to be set at **53V**.

BMS communication



LCD Display

Function Keys



ON/OFF Switch

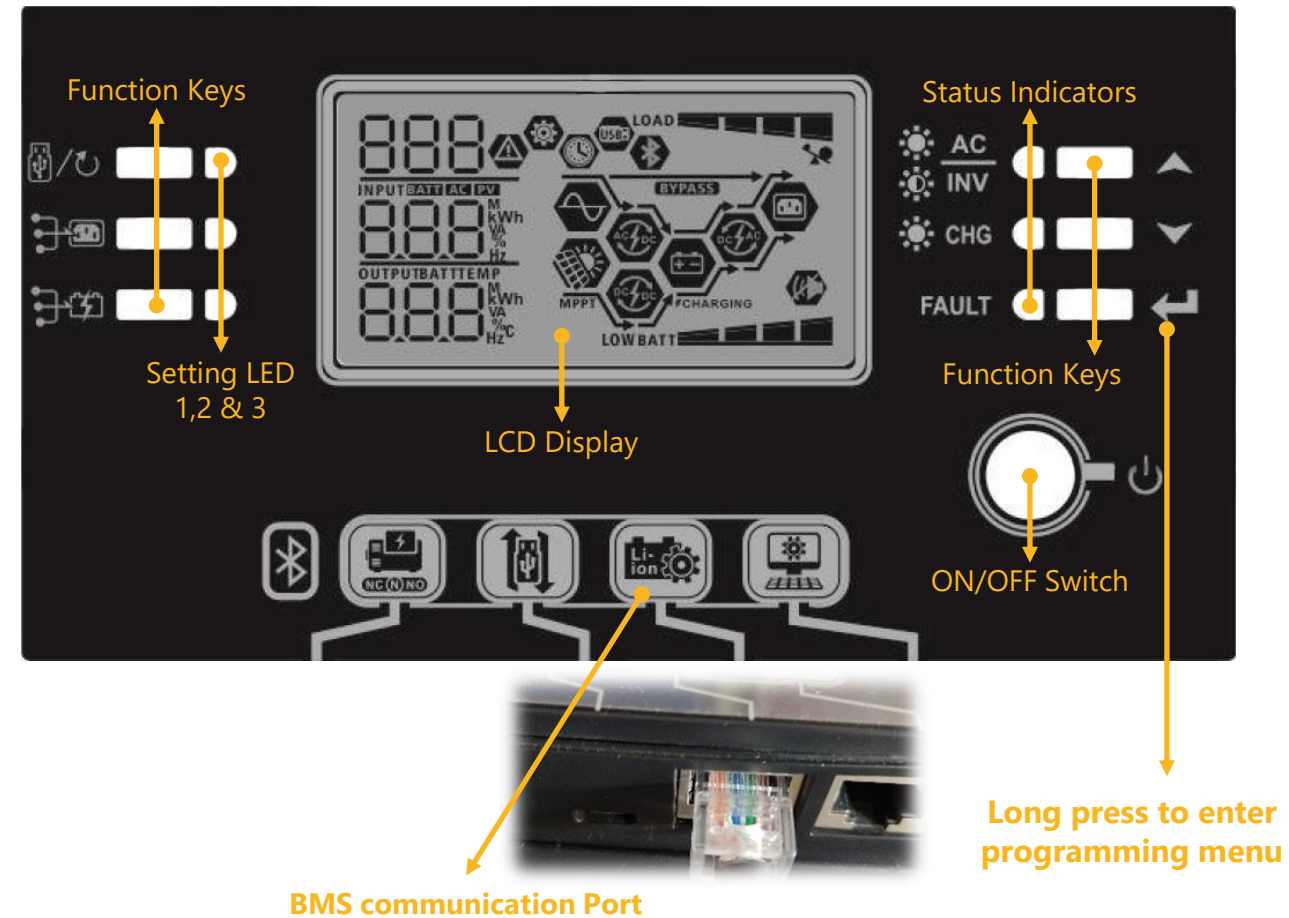
Long press to enter programming menu



Settings



- Enter **programming mode**
- **Set 05 : Select PYL for Pylontech Batteries**
- If there is parallel inverters, please select '**USE**' on slave inverters
- Select suitable frequency in the **9th** setting-set to 50Hz.
- If you apply '**SBU**' mode, except for the first steps, the **11th** setting, the maximum charge current from grid should be set according to battery numbers.
- The **12th** setting, discharge voltage limit is recommended to not be set below **46V**.
- The 13th setting, charge voltage limit recommended to be set at **53V**.





Troubleshooting – Most common communication error



“Error 61 – BMS communication failed”

POSSIBLE CAUSES:

- Incorrect/damaged **BMS cable** used – cable tester
- Incorrect **DIP switches** set on battery – Consult documentation on product page
- Incorrect **battery type** selected – Program 05
- Incorrect **port used** on battery/inverter – User manual on product page

NOTE:

- OG range only uses **RS485** with a Baud rate of **9600**
- BMS cable **included with battery/inverter** or bought from SegenSolar – Ask your account manager or technical support advisor **for assistance**

