



We get rid of complicated wiring work by laying all the wires in the Matebox. All you need to do is just to connect all the cables which are already well-sorted in the Matebox. This helps to save time and money.

The diagram illustrates the system architecture for the Solax X-Cloud setup. It shows the following components and their interconnections:

- PV (Photovoltaic):** Represented by a solar panel icon, connected to the Solax equipment via a DC line (solid black line).
- SOLAX Equipment:** The main unit on the left, which connects to the **Matebox G2** via AC (solid orange line) and Comm (dashed blue line) lines.
- Matebox G2:** A central control unit that connects to the **Grid** via an AC line (solid orange line).
- Grid:** Represented by power line towers, connected to the X-CLOUD.
- X-CLOUD:** A cloud service icon representing remote monitoring and control.
- Adapter G2:** A small unit that connects to the **Heat Pump** via a DC line (solid black line) and to the **SolaX EV Charger** via a Comm line (dashed blue line).
- Heat Pump:** Represented by a cylinder icon, connected to the Adapter G2 via a DC line (solid black line).
- SolaX EV Charger:** Represented by a charging station icon, connected to the Adapter G2 via a Comm line (dashed blue line).
- EPS Loads:** Represented by a washing machine icon, connected to the **Matebox G2** via an AC line (solid orange line).

**Legend:**

- AC: Solid orange line
- DC: Solid black line
- Comm: Dashed blue line
- Ctrl: Dashed green line

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## ON-GRID(Inverter)

Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. apparent on-grid input/output power[VA]	8000
Max. on-grid current [A]	36.4

## OFF-GRID(Inverter)

Rated voltage [Vac], frequency [Hz]	230, 50/60
Max. power[VA]	8000
Rated current [A]	36.4

## GRID(Utility)

Rated grid voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. input current [A]	63 (100 for England)

## LOAD

Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. current [A]	63 (100 for England)

## ENVIRONMENT LIMIT

Degree of protection	IP65
Protection class	Class I
Operating temperature range [°C]	-25~+60°C (Derating above +45°C)
Storage temperature [°C]	-40~+70°C
Relative humidity [%]	0~100 (condensing)
Altitude[m]	<3000
Overvoltage category	III(AC)

## OTHER

Cooling concept	Natural cooling
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## DIMENSION AND WEIGHT

Dimensions [mm]	549*360*192
Net weight [kg]	11