



# MATEBOX

For the new X-ESS G4, we get rid of the complicated wiring work by laying all the wires in the Matebox. All you need to do is just install one module on the top of another, and connect all the cables which are already well-sorted in the Matebox in different ports.

<b>PV</b>	
Max. input voltage [Vdc]	600
Max. short circuit current (A/B) [A]	18/18
<b>BATTERY</b>	
Battery voltage range [V]	80-480
Max. charge/discharge current [A]	30
<b>ON-GRID(Inverter)</b>	
Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. on-grid current [A]	32.6
<b>OFF-GRID(Inverter)</b>	
Rated voltage [Vac], frequency [Hz]	230, 50/60
Rated current [A]	32.6
<b>GRID(Utility)</b>	
Rated grid voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. input current [A]	60
<b>LOAD</b>	
Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. current [A]	60
<b>ENVIRONMENT LIMIT</b>	
Degree of protection	IP54
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), II(DC)
<b>OTHER</b>	
Cooling concept	Nature cooling
<b>DIMENSION AND WEIGHT</b>	
Dimensions [mm]	482x437x185
Net weight [kg]	10.5

## X1-MATEBOX



## X3-MATEBOX BASIC



## X3-MATEBOX ADVANCED



<b>PV</b>	
Max. input voltage [Vdc]	1000
Max. short circuit current (A/B)[A]	30/18
<b>BATTERY</b>	
Battery voltage range [V]	180~650
Max. charge/discharge current [A]	30
<b>ON-GRID (Inverter)</b>	
Rated voltage[Vac], frequency [Hz]	380/400/415, 50/60
Max. Grid (INV) input/output current [A]	32/32
<b>OFF-GRID (Inverter)</b>	
Rated voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. current [A]	24.1
<b>GRID (Utility)</b>	
Rated grid voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. input/output current [A]	32/32
<b>LOAD</b>	
Rated voltage[Vac], frequency [Hz]	380/400/415, 50/60
Max. current [A]	24.1
<b>ENVIRONMENT LIMIT</b>	
Degree of protection	IP54
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
Altitude [m]	<3000
Overvoltage category	III(AC), II(DC)
<b>OTHER</b>	
Cooling concept	Nature cooling
<b>DIMENSION AND WEIGHT</b>	
Dimensions [mm]	533x397x204
Net weight [kg]	7.5

<b>PV</b>	
Max. input voltage [Vdc]	1000
Max. short circuit current (A/B) [A]	30/18
<b>BATTERY</b>	
Battery voltage range [V]	180~650
Max. charge/discharge current [A]	30
<b>ON-GRID (Inverter)</b>	
Rated voltage[Vac], frequency [Hz]	380/400/415, 50/60
Max. Grid (INV) input/output current [A]	24.1/24.1
<b>OFF-GRID (Inverter)</b>	
Rated voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. current [A]	24.1
<b>GRID (Utility)</b>	
Rated grid voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. input/output current [A]	63/24.1
<b>LOAD</b>	
Rated voltage [Vac], frequency [Hz]	380/400/415, 50/60
Max. current [A]	63
<b>ENVIRONMENT LIMIT</b>	
Degree of protection	IP54
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
Altitude [m]	<3000
Overvoltage category	III (AC), II (DC)
<b>OTHER</b>	
Cooling concept	Nature cooling
<b>DIMENSION AND WEIGHT</b>	
Dimensions [mm]	551x512x204
Net weight [kg]	14.5