



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.

PV	
Max. input voltage [Vdc]	600
Max. short circuit current (A/B) [A]	18/18
BATTERY	
Battery voltage range [V]	80~480
Max. charge/discharge current [A]	30
ON-GRID	
Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. on-grid current [A]	32.6
OFF-GRID	
Rated voltage [Vac], frequency [Hz]	230, 50/60
Rated current [A]	32.6
GRID	
Rated grid voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. input current [A]	60
LOAD	
Rated voltage [Vac], frequency [Hz]	220/230/240, 50/60
Max. current [A]	60
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range [°C]	-35..... +60°C (derating at +45°C)
Storage temperature [°C]	-40..... +70°C
Humidity [%]	0~100 (condensing)
Altitude[m]	<3000
Over voltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions [mm]	482*437*185
Net weight [kg]	10(consult the engineers for details)

X1-MATEBOX



X3-MATEBOX BASIC



PV	
Max. input voltage[Vdc]	1000
Max. short circuit current (A/B)[A]	30/18
BATTERY	
Battery voltage range[V]	180~650
Max.charge/discharge current[A]	30
ON-GRID	
Rated voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. Grid(INV) input/output current[A]	32/32
OFF-GRID	
Rated voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. current[A]	24.1
GRID	
Rated grid voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. input/output current[A]	32/32
LOAD	
Rated voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. current[A]	24.1
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range[°C]	-25~+60°C (derating at +45°C)
Storage temperature[°C]	-40~+70°C
Humidity[%]	0~100
Altitude[m]	<3000
Over voltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions[mm]	533*397*204
Net weight[kg]	7.5

X3-MATEBOX ADVANCED



PV	
Max. input voltage[Vdc]	1000
Max. short circuit current (A/B)[A]	30/18
BATTERY	
Battery voltage range[V]	180~650
Max. charge/discharge current[A]	30
ON-GRID	
Rated voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. Grid(INV) input/output current[A]	24.1/24.1
OFF-GRID	
Rated voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. current[A]	24.1
GRID	
Rated grid voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. input/output current[A]	63/24.1
LOAD	
Rated voltage[Vac], frequency[Hz]	380/400/415, 50/60
Max. current[A]	63
ENVIRONMENT LIMIT	
Degree of protection	IP54
Protection class	Class I
Operating temperature range[°C]	-25~+60°C (derating at +45°C)
Storage temperature[°C]	-40~+70°C
Humidity[%]	0~100
Altitude[m]	<3000
Over voltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions[mm]	551*512*204
Net weight[kg]	14.5



TRIPLE POWER 3.0 BATTERY

- Systematic design, in-depth optimization and seamless connection with Solax Hybrid inverter
- Safest type of LiFePO₄ battery, an adoption of high-performance processors, international brand devices, better stability
- Unique battery heating technology, which is capable to work at low temperature
- Long life cycle, more than 6000 times
- Safety Cert. TUV, CE, UL, UN38.3 and so on
- Remote fault diagnosis, upgrade and maintenance
- Auto power replenishment technology is adopted to prevent battery over-discharge
- Multiple communication interfaces :RS485, CAN
- Modular stacking design, easy installation, supporting floor and wall mounting
- IP65, supporting indoor and outdoor installation



	T-BAT H 3.0	T-BAT H 6.0*	T-BAT H 9.0*	T-BAT H 12.0*
Nominal voltage [V]	102.4	204.8	307.2	409.6
Operating voltage range [V]	90~116	180~232	270~348	360~464
Total energy [kWh]	3.1	6.1	9.2	12.3
Usable energy [kWh]	2.8	5.5	8.3	11.0
Rated capacity [Ah]	30			
Nominal power [kW]	2.55	5.1	7.65	10.2
Max. power [kW]	3.1	6.1	10.2	12.3
Recommend charge/discharge current [A]	25			
Max. charge/discharge current [A]	30			
Battery roundtrip efficiency	95%			
Cycle life [90% DOD]	6000 Cycles			
Expected life time / Warranty [year]	10			
Available charge/discharge temperature range [°C]	-30 to 50			
Storage temperature [°C]	-20 to 50 (3 months)		0 to 40 (1 year)	
Humidity [%]	0~100			
Altitude [m]	Below 3000			
Degree of protection	IP65			
Battery to Inverter	RS485/CAN2.0			
Battery to battery/BMS	CAN2.0			
Master control capacity indicator	4LED (25%, 50%, 75%, 100%)			
Master control LED indicator (Working mode)	1 LED			
System switch (on/off)	Button*1+Breaker*1			
Certificate	CE/IEC62619/UN38.3/IEC62040/UKCA			
Hazardous materials classification	Class 9			
Dimensions(WxHxD) [mm]	MC0600: 482.5*173.5*153 HV10230: 482.5*471.5*153			
Net weight [kg]	MC0600: 7.5kg +HV10230: 34.5kg	MC0600: 7.5kg +2*HV10230: 69kg	MC0600: 7.5kg +3*HV10230: 103.5kg	MC0600: 7.5kg +4*HV10230: 138kg

* MC0600:Master Box (one MC0600 can be connected 1~4 HV10230)
 * HV10230:Slave Battery Pack