









info@solaxpower.com service@solaxpower.com



#### Contact Us More Information

Matebox in different ports.

www.solaxpower.com

AU: +61 1300 476529 DE: +49 6142 4091664 Global: +86 571-56260008

UK: +44 2476 586998 NL: +31 (0) 852 737932



# X1-MATEBOX





BATTERY	
Battery voltage range [V]	80 ~ 480
Max. charge/discharge current [A]	30
ON-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	220 / 230 /240, 50 / 60
Max. on-grid current [A]	32.6
OFF-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	230, 50 / 60
Rated current [A]	32.6
GRID(Utility)	
Rated grid voltage [Vac], frequency[ Hz]	220 / 230 / 240, 50 / 60
Max. input current [A]	40
LOAD	
Rated voltage [Vac], frequency [Hz]	220 / 230 / 240, 50 / 60
Max. current [A]	32.6
ENVIRONMENT LIMIT	
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)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions [mm]	509 × 437 × 185
Net weight [kg]	9.5

#### **X1-MATEBOX ADVANCED**

Battery voltage range [V]	BATTERY	
ON-GRID(Inverter)         Rated voltage [Vac], frequency [Hz]         220 / 230 / 240, 50 / 60           Max. on-grid current [A]         32.6           OFF-GRID(Inverter)         Rated voltage [Vac], frequency [Hz]         230, 50 / 60           Rated current [A]         32.6           GRID(Utility)         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         1P54           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	Battery voltage range [V]	80 ~ 480
Rated voltage [Vac], frequency [Hz]   220 / 230 / 240, 50 / 60     Max. on-grid current [A]   32.6     OFF-GRID(Inverter)     Rated voltage [Vac], frequency [Hz]   230, 50 / 60     Rated current [A]   32.6     GRID(Utility)     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     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), III(DC)     OTHER     Cooling concept   Nature cooling     DIMENSION AND WEIGHT     Dimensions [mm]   509 x 437 x 185	Max. charge/discharge current [A]	30
Max. on-grid current [A]         32.6           OFF-GRID(Inverter)         230, 50 / 60           Rated voltage [Vac], frequency [Hz]         230, 50 / 60           Rated current [A]         32.6           GRID(Utility)         220 / 230 / 240, 50 / 60           Max. input current [A]         60           LOAD         220 / 230 / 240, 50 / 60           Max. current [A]         60           ENVIRONMENT LIMIT         60           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	ON-GRID(Inverter)	
OFF-GRID(Inverter)         Rated voltage [Vac], frequency [Hz]         230, 50 / 60           Rated current [A]         32.6           GRID(Utility)         220 / 230 / 240, 50 / 60           Max. input current [A]         60           LOAD         220 / 230 / 240, 50 / 60           Max. current [A]         60           ENVIRONMENT LIMIT         60           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	Rated voltage [Vac], frequency [Hz]	220 / 230 /240, 50 / 60
Rated voltage [Vac], frequency [Hz]   230, 50 / 60     Rated current [A]   32.6     GRID(Utility)     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   60     Protection class   Class     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)     OTHER     Cooling concept   Nature cooling     DIMENSION AND WEIGHT   509 × 437 × 185	Max. on-grid current [A]	32.6
Rated current [A]   32.6	OFF-GRID(Inverter)	
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] -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)  OTHER  Cooling concept Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm] 509 × 437 × 185	Rated voltage [Vac], frequency [Hz]	230, 50 / 60
Rated grid voltage [Vac], frequency[ Hz]         220 / 230 / 240, 50 / 60           Max. input current [A]         60           LOAD         220 / 230 / 240, 50 / 60           Rated voltage [Vac], frequency [Hz]         220 / 230 / 240, 50 / 60           Max. current [A]         60           ENVIRONMENT LIMIT         IP54           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	Rated current [A]	32.6
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] -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)  OTHER  Cooling concept Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm] 509 × 437 × 185	GRID(Utility)	
LOAD         Rated voltage [Vac], frequency [Hz]       220 / 230 / 240, 50 / 60         Max. current [A]       60         ENVIRONMENT LIMIT       IP54         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	Rated grid voltage [Vac], frequency[ Hz]	220 / 230 / 240, 50 / 60
Rated voltage [Vac], frequency [Hz]       220 / 230 / 240, 50 / 60         Max. current [A]       60         ENVIRONMENT LIMIT	Max. input current [A]	60
Max. current [A] 60  ENVIRONMENT LIMIT  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)  OTHER  Cooling concept Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm] 509 × 437 × 185	LOAD	
ENVIRONMENT LIMIT  Degree of protection  Protection class  Operating temperature range [°C]  Storage temperature [°C]  Relative humidity [%]  Altitude[m]  Overvoltage category  Overvoltage category  III(AC), II(DC)  OTHER  Cooling concept  Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm]  IP54  Class I  Class I  Class I  -25 ~ +60°C (Derating above +45°C)  -40 ~ +70°C  0 ~ 100 (condensing)  4 3000  Nature cooling  Nature cooling	Rated voltage [Vac], frequency [Hz]	220 / 230 / 240, 50 / 60
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)  OTHER  Cooling concept Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm] 509 × 437 × 185	Max. current [A]	60
Protection class  Operating temperature range [°C]  Storage temperature [°C]  Relative humidity [%]  Altitude[m]  Overvoltage category  OTHER  Cooling concept  DIMENSION AND WEIGHT  Dimensions [mm]  Class I  -25 ~ +60°C (Derating above +45°C)  -40 ~ +70°C  0 ~ 100 (condensing)  -3000    III(AC), II(DC)  Nature cooling	ENVIRONMENT LIMIT	
Operating temperature range [°C] Storage temperature [°C] Relative humidity [%] Altitude[m] Overvoltage category III(AC), II(DC)  OTHER Cooling concept Nature cooling  DIMENSION AND WEIGHT Dimensions [mm]  -25 ~ +60°C (Derating above +45°C) -40 ~ +70°C  0 ~ 100 (condensing) -3000   III(AC), II(DC)  OTHER  Nature cooling	Degree of protection	IP54
Storage temperature [°C] -40 ~ +70 °C  Relative humidity [%] 0 ~ 100 (condensing)  Altitude[m] < 3000  Overvoltage category III(AC), II(DC)  OTHER  Cooling concept Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm] 509 × 437 × 185	Protection class	Class I
Relative humidity [%]         0 ~ 100 (condensing)           Altitude[m]         < 3000	Operating temperature range [°C]	-25 ~ +60°C (Derating above +45°C)
Altitude[m] < 3000  Overvoltage category   III(AC), II(DC)  OTHER  Cooling concept   Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm]   509 × 437 × 185	Storage temperature [°C]	-40 ~ +70°C
Overvoltage category  OTHER  Cooling concept  DIMENSION AND WEIGHT  Dimensions [mm]  Dimensions [mm]  Dimensions [mm]  Dimensions [mm]	Relative humidity [%]	0 ~ 100 (condensing)
OTHER  Cooling concept  Nature cooling  DIMENSION AND WEIGHT  Dimensions [mm]  509 x 437 x 185	Altitude[m]	< 3000
Cooling concept         Nature cooling           DIMENSION AND WEIGHT         509 x 437 x 185	Overvoltage category	III(AC), II(DC)
DIMENSION AND WEIGHT         509 x 437 x 185           Dimensions [mm]         509 x 437 x 185	OTHER	
Dimensions [mm]         509 × 437 × 185	Cooling concept	Nature cooling
	DIMENSION AND WEIGHT	
Net weight [kg] 9.5	Dimensions [mm]	509 × 437 × 185
	Net weight [kg]	9.5





## X3-MATEBOX



### X3-MATEBOX BASIC

BATTERY	
Battery voltage range [V]	180 ~ 650
Max.charge / discharge current [A]	30
ON-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	380 / 400 / 415, 50 /60
Max. Grid (INV) input / output current [A]	24.1 / 32
OFF-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	380 / 400 / 415, 50 / 60
Max. current [A]	24.1
GRID(Utility)	
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 above +45°C)
Storage temperature [°C]	-40 ∼ +70°C
Relative humidity [%]	0 ~ 100
Altitude [m]	< 3000
Overvoltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions [mm]	533 × 397 × 204
Net weight [kg]	7

### **X3-MATEBOX ADVANCED**

BATTERY	
Battery voltage range [V]	180~650
Max.charge / discharge current [A]	30
ON-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	380 / 400 / 415, 50 / 60
Max. Grid (INV) input / output current [A]	24.1/24.1
OFF-GRID(Inverter)	
Rated voltage [Vac], frequency [Hz]	380 / 400 / 415, 50 / 60
Max. current [A]	24.1
GRID(Utility)	
Rated grid voltage [Vac], frequency [Hz]	380 / 400 / 415, 50 / 60
Max. input / output current [A]	63/63
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 above +45°C)
Storage temperature [°C]	-40 ~ +70°C
Relative humidity [%]	0 ~ 100
Altitude [m]	< 3000
Overvoltage category	III(AC), II(DC)
OTHER	
Cooling concept	Nature cooling
DIMENSION AND WEIGHT	
Dimensions [mm]	551 × 512 × 204
Net weight [kg]	13.5

