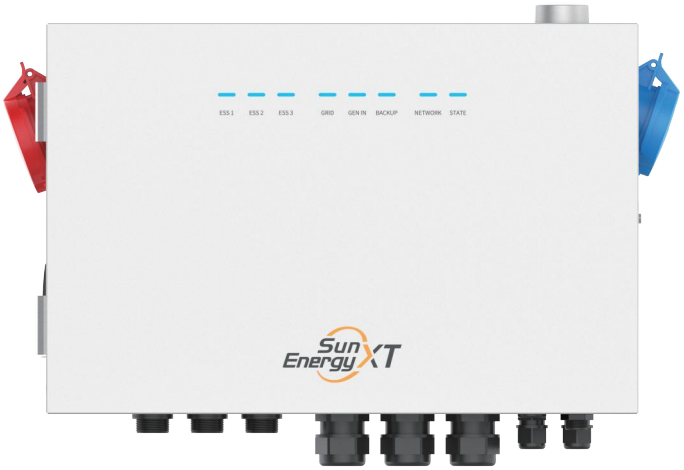
Technical Data



Three-phase AC combiner and power distribution unit for connecting multiple compatible energy storage systems.

Electrical Parameters

Interface Category	Parameter	Parameter Value
Grid Port	Rated Input/Output Voltage [V a.c.]	400/230 V (L-L/L-N), 3P+N+PE
	Rated Frequency [Hz]	50 Hz
	Rated Input/Output Current [A a.c.]	32 A
	Max. Continuous Input/Output Current [A a.c.]	32 A
	Rated Power [kW]	21.6 kW
	Max. Apparent Power [kVA]	21.6 kVA
ESS1/ESS2/ESS3 Port	Rated Input/Output Voltage [V a.c.]	230 V (L-N), 1P+N+PE
	Rated Frequency [Hz]	50 Hz
	Rated Input/Output Current [A a.c.]	32 A
	Max. Continuous Input/Output Current [A a.c.]	32 A
	Rated Power [kW]	7.2 kW
	Max. Apparent Power [kVA]	7.2 kVA
GEN IN Port	Rated Input Voltage [V a.c.]	400/230 V (L-L/L-N), 3P+N+PE
	Rated Frequency [Hz]	50 Hz
	Rated Input Current [A a.c.]	32 A
	Max. Continuous Input Current [A a.c.]	32 A
	Rated Power [kW]	21.6 kW
	Max. Apparent Power [kVA]	21.6 kVA
CEE-5P	Rated Output Voltage [V a.c.]	400/230 V (L-L/L-N), 3P+N+PE
	Rated Frequency [Hz]	50 Hz
	Rated Output Current [A a.c.]	32 A
	Max. Continuous Output Current [A a.c.]	32 A
	Rated Power [kW]	21.6 kW
	Max. Apparent Power [kVA]	21.6 kVA

Interface Category	Parameter	Parameter Value
BACKUP	Rated Output Voltage [V a.c.]	400/230 V (L-L/L-N), 3P+N+PE
	Rated Frequency [Hz]	50 Hz
	Rated Output Current [A a.c.]	32 A
	Max. Continuous Output Current [A a.c.]	32 A
	Rated Power [kW]	21.6 kW
	Max. Apparent Power [kVA]	21.6 kVA
CEE-3P	Rated Output Voltage [V a.c.]	230 V (L-N), 1P+N+PE
	Rated Frequency [Hz]	50 Hz
	Rated Output Current [A a.c.]	32 A
	Max. Continuous Output Current [A a.c.]	32 A
	Rated Power [kW]	7.2 kW
	Max. Apparent Power [kVA]	7.2 kVA

General Information

Model	500-PowerBOX-3P
Protection Class	Class I
Ingress Protection	IP44
Overvoltage Category	III
Operating Temperature Range	-20°C ~ +55°C
Max. Operating Altitude	2000 m
Rated Frequency	50 Hz
Weight	Net weight approx. 12.5 kg, Gross weight 16.5 kg
Dimensions (W × H × D)	500 × 330 × 188 mm

Communication Interfaces & Functions

Interface Category	Quantity
Configurable CAN Communication Interfaces	2
Configurable RS-485 Communication Interfaces	3
LAN	1
Digital Inputs (DI)	4
Potential-Free Relay Output (DO)	1

Standards

Electrical Safety / Low-Voltage Switchgear Assemblies	EN 61439-1; EN 61439-2; EN 62109-1; EN 62109-2
Electromagnetic Compatibility (EMC)	EN 61000-6-1; EN 61000-6-2; EN 61000-6-3; EN 61000-6-4
Radio / Other Requirements	EN 301489-1; EN 301489-17; EN 301489-52; EN 301908-1; EN 301908-13; EN 300328; EN 62311; EN 18031-1