

All-in-One Balcony ESS



X-MS 2000

Features

- Up to 2400W solar input with 4 MPPTs
- All-in-one compact design, plug-and-play installation
- Max charging power 3400 W, 1000 W bidirectional AC power
- UPS-level switchover time <10ms
- DIY expansion to 11.98 kWh capacity
- IP65 ingress protection
- Built-in battery heating function, reliable performance in extreme temperature (-20°C)
- Zero waste with self-consumption
- Long-lasting power with 6000 charge cycles
- Support TOU mode to maximize family benefits

X-MS 2000

PV INPUT	
Max. PV input power	2400 W
Max. PV input voltage	60 V
Operation voltage range	16 ~ 60 V
Max. PV input current	16 A
Max. input short circuit current I _{sc}	20 A
No. of MPP trackers	4
AC ON-GRID	
Rated Input / output apparent power	800 VA*
Max. AC Input / output apparent power	1000 VA
Rated AC output voltage	220 V / 230 V / 240 V
Rated AC voltage range	180 ~ 276 V
Rated AC frequency	50 Hz / 60 Hz
AC frequency / range	50 ± 5 Hz / 60 ± 5 Hz
Rated AC input / output current	3.64 A / 3.48 A / 3.34 A
Max. AC input / output current	4.55 A / 4.35 A / 4.17 A
Power factor range	~ 1 (0.8 leading...0.8 lagging)
AC OFF-GRID	
Rated output power	1000 VA
Peak output apparent power	1600 VA, 10s
Rated AC output voltage	220 V / 230 V / 240 V
Rated AC frequency	50 Hz / 60 Hz
Max. AC output current	7.28 A / 6.96 A / 6.67 A
BATTERY DATA	
Battery type	LFP
Battery Rated voltage	19.2 V
Battery Rated energy	1996.8 Wh
Battery Operating voltage	15.9 ~ 21.6 V
Battery cycle life	≥6000 (@25°C ± 2°C, 0.5C / 0.5C, 70%EOL)
Rated charging / discharging power	1000 W
Max. discharging current	100 A
Max. continuous charging / discharging current	63 A
Rated charging / discharging current	52 A
GENERAL	
Self-heating	Activated below 0°C
Ingress protection	IP65
Operation temperature range	-20 ~ 55°C
Relative humidity	5 ~ 95% (No Condensing)
Max. operation altitude	3000 m
Dimensions (W x H x D)	460 x 240 x 240 mm
Weight	24 kg
Cooling concept	Natural cooling
Communication	WiFi & Bluetooth
Parallel battery capacity	Up to 5 Units
STANDARD	
Safety	IEC62109-1 / -2
EMC	IEC62619, UN38.3, IEC / EN 61000-6-1, IEC / EN 61000-6-2, IEC / EN 61000-6-3, IEC / EN 61000-6-4, CE-RED
Certifications	VDE4105 / 0124, IEC61727 / 62116, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002

* It can be customized by using the Solax App and can be adjusted up to 1000 VA