

Max-Solaris Intelli-PV ESS Cabinet

Multi-dimensional integration

- Advanced DC coupling seamlessly integrates PV and storage
- 20ms auto-switching between grid-connected and off-grid modes

Intelligent energy

- Supports multiple strategies: self-consumption, peak loading shifting, and backup power supply
- Built-in EMS adapts flexibly to diverse scenarios

Simple & user-friendly

- Compact design for easy installation
- Remote monitoring for effortless operation



Product Model	Max-Solaris
Cabinet parameters	
Cabinet model	Max-Classic
Cell type	LFP 315Ah
Pack quantity	5
Cell configuration	1P260S
Rated energy at DC side	262kWh
Voltage range	728V~923V
Cabinet dimensions (W*H*D)	950mm * 2120mm * 1400mm
Weight	2380kg
Ingress protection rating	IP55
Anti-corrosion grade	C4-M
Operating ambient humidity	0%~95% (non-condensing)
Operating ambient temperature	-20°C~55°C (derated over 45°C)
Max. operating altitude	4000m (derated above 2000m)
Cooling method	Liquid-cooling
Fire protection/safety features	Aerosol + combustible gas detection + ventilation + water extinguishing system
Communication interface	LAN
Communication protocol	Modbus TCP
Certification	IEC 62619, IEC 63056, IEC 62477, EN IEC 61000, UL 1973, UL 9540A, UN 38.3

Hybrid inverter parameters	
DC input (PV side)	
Recommended max. PV array size	250kW
Max. usable PV input power	250kW
Max. input voltage	1000V
Rated voltage	600V
Start-up voltage	180V
MPPT voltage range	150V~950V
Max. input current	10*42A
Max. short circuit current	10*60A
Number of MPPT/ Number of max. input strings	10/20
AC output (Grid side)	
Rated output power	125kW
Max. apparent output power	125kVA
Rated grid voltage	3/N/PE, 220V/380V 3/N/PE, 230V/400V
Rated grid frequency	50Hz/60Hz
Rated grid output current	189.9A/180.4A
Power factor	>0.99 (0.8 leading ~ 0.8 lagging)
THDi	<3% (rated power)
AC input (Grid side)	
Max. input current	250A
Efficiency	
Max. efficiency	97.5%
General specification	
Dimensions (W*H*D)	1174mm * 814mm * 400mm
Weight	170kg
Cooling method	Intelligent redundant fan-cooling
Operating ambient temperature	-25°C~60°C
Max. operating altitude	3000m
Relative humidity	0%~100%
Noise	<70dB(A)
Ingress protection rating	IP66
Grid connection standard	G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1&2/ EN 50549-10, VDE 0126 / UTE C 15/VFR:2019, NTS 631/RD 1699/RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21, C10/11, NRS 097-2-1, TOR, EIFS 2018.2, IEC 62116, IEC 61727, IEC 60068, IEC 61683, EN 50530, MEA, PEA, PORTARIA N° 140, DE 21 DE MARÇO DE 2022
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-2/-4, EN 55011

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