

# 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-Solaris104	Max-Solaris262
Cabinet parameters		
Cabinet model	Max-Classic	
Cell type	LFP 315Ah	
Cell configuration	1P104S	1P260S
Rated energy at DC side	104kWh	262kWh
Voltage range	291.2V~369.2V	728V~923V
Cabinet dimensions	950mm * 1400mm * 2120mm	
Weight	1380kg	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 when the operating temperature is over 45°C)	
Max. operating altitude	4000m (derated when the operating altitude is over 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)		
Max. input power	100kW	250kW
Withstand voltage	1000V	
Input voltage range	180V~950V	
Max. MPPT input current	40A	
Max. MPPT short-circuit current	50A	
MPPT voltage range	180V~850V	
Start-up voltage	180V	
Number of MPP trackers	4	8
Strings per MPP tracker	2	
AC output (Grid side)		
Rated AC power	50kW	125kW
Max. AC output power	55kVA	137.5kVA
Rated AC output current (Per phase)	76A	189.9A
Max. AC output current (Per phase)	83.6A	198.5A
Rated AC voltage	380V/400V, 3W+N+PE or 3W+PE	
AC voltage range	0.8Un~1.2Un	
Rated AC frequency	50Hz/60Hz	
Frequency range	50Hz/60Hz, ±5Hz	
Power factor	0.8 leading~0.8 lagging	
THDi	<3% @Rated power	
AC input (Grid side)		
Max. AC input power	207kVA	
Max. bypass current	300A	
Rated AC voltage	380V/400V, 3W+N+PE or 3W+PE	
Frequency range	50Hz/60Hz, ±5Hz	
EPS output (Load)		
Max. AC output power	55kVA	137.5kVA
Peak AC output power (10s)	155kVA	
LRA current	300A	
Rated AC voltage	380V/400V, 3W+N+PE or 3W+PE	
Rated AC frequency	50Hz/60Hz	
Switching time	<10ms	
THDv	<3% @Rated power	
Efficiency		
Max. efficiency	98.5%	
General specification		
Dimensions (W*H*D)	730mm * 1060mm * 305mm	
Weight	115kg	120kg
Operating temperature	-30°C~60°C	
Cooling method	Smart air cooling	
Operating altitude	4000m	
Humidity	0%~100%	
Noise	<70dB	
Standby consumption	<60W	
Ingress protection rating	IP65	
Topology	Non-isolation	
Display	LED, LCD, Wi-Fi+APP	
Communication ports	USB / RS485 / Bluetooth / Wi-Fi+LAN / 4G (Optional) / CAN	
Certification	EN IEC 62109, EN IEC 61000	