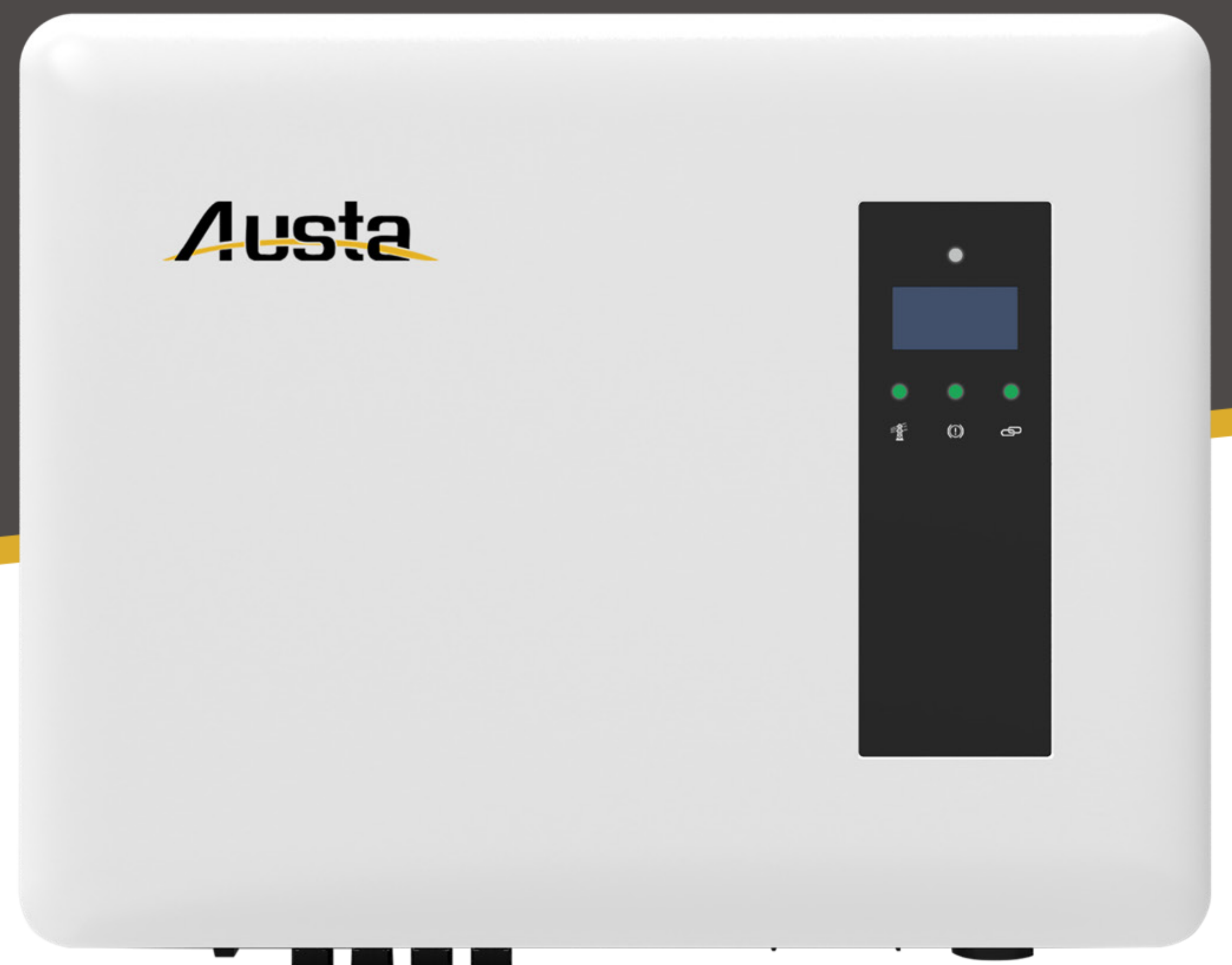


Three Phase Hybrid Inverter

SOL207 | SOL208



Product features

- 98.4% max. efficiency
- 135-750V super wide battery voltage range
- Within 10ms UPS-level switching
- Max. 30A PV input current
- IP65 protection degree
- Compact and elegant design with integrated diecasting technology
- Long-term efficient operation with advanced heat dissipation design
- Intelligent energy management with built-in EMS
- Up to 110% unbalanced load
- Up to 125% AC output overloading
- Max. 200% back-up output overloading @60s
- Parallel operation capacity with max. 10 units
- Convenient installation and O&M with horizontal design and quick plug terminals
- Easy data check via both OLED display and App
- Easy Wifi configuration via App

Model	SOL207	SOL208
Battery Parameters		
Battery Type	Lithium Battery (with BMS)	
Battery voltage Range (V)	135-750	
Max. Charge/Discharge Current (A)	40/40	
Input DC (PV side)		
Max. Input Power (kW)	15	30
Start-up Voltage (V)	135	135
Max. DC Input Voltage (V)	1000	1000
Rated DC Input Voltage (V)	620	620
MPPT Voltage Range (V)	200-850	200-850
No. of MPPT Trackers	2	2
No. of DC Inputs per MPPT	2/2	2/2
Max. Input Current (A)	30/30	30/30
Max. Short-circuit Current (A)	40/40	40/40
Output / Input AC (Grid side)		
Rated Output Power (kW)	10.0	20.0
Max. Output Apparent Power (kVA)	11.0	22.0
Max. Input Apparent Power (kVA)	20.0	30.0
Max. Charging Power of Battery (kVA)	10.0	20.0
Rated AC Voltage (V)	3L/N/PE; 220/380V; 230/400V; 240/415V	
Rated AC Frequency (Hz)	50/60	50/60
Max. Output Current (A)	16.5	33.5
Power Factor	0.8 leading ... 0.8 lagging	
Max. Total Harmonic Distortion	< 3% @Rated output power	
DCI	< 0.5%In	< 0.5%In
Output AC (Emergency Power Supply)		
Rated Output Power (kW)	10.0	20.0
Max. Output Apparent Power (kVA)	11.0	22.0
Max. Output Current (A)	16.5	33.5
UPS Switching Time	< 10ms	< 10ms
Rated Output Voltage (V)	3L/N/PE; 220/380V; 230/400V; 240/415V	
Rated Output Frequency (Hz)	50/60	50/60
Peak Output Apparent Power (kVA)	20,60s	25,60s
Voltage Harmonic Distortion	< 3% @Liner load	
Efficiency		
Max. efficiency of solar inverter	98.4%	98.4%
European efficiency of solar inverter	97.5%	97.5%
Protection		
DC Reverse Polarity Protection	Integrated	
Battery Input Reverse Connection Protection	Integrated	
Insulation Resistance Protection	Integrated	
Surge Protection	Integrated	
Over-temperature Protection	Integrated	
Residual Current Protection	Integrated	
Islanding Protection	Integrated	
AC Over-voltage Protection	Integrated	
Overload Protection	Integrated	
AC Short-circuit Protection	Integrated	
General Data		
Over Voltage Category	PV: II; Main: III	
Dimensions (W×H×D mm)	534×418×210	
Weight (KG)	28.0 (10-12KW) 31.0 (15-20KW)	
Protection Degree	IP65	
Standby Self-consumption (W)	< 15	
Topology	Transformerless	
Operating Temperature Range (°C)	-30~60	
Relative Humidity (%)	0~100	
Operating Altitude (m)	3000 (>3000m derating)	
Cooling	Natural Convection	
Noise Level (dB)	< 40	
Display	OLED & LED	
Communication	CAN, RS485, WiFi/LAN (Optional)	
Certifications & Standards		
EMC	EN 50549-1, TOR Generator Type A	
Safety standards	IEC / EN 62109, IEC / EN 61000	
Grid standards	VDE- AR-N-4105	