

MEGA Large C&I inverter series

Power Conversion System (without isolation transformer)

Product features:

Friendly & flexible

- Wide battery voltage range, support multiple battery access;
- Reactive power, active power adjustable;
- Off-grid cold start function, support multi-machine parallel function;

Safe & reliable

- High performance DSP, optimized control circuit design, high reliable system;
- Patented control detection algorithm to ensure equipment failure diagnose;
- AC/DC dual backup for auxiliary power supply;

Intelligent & efficient

- Highest power density, maximum efficiency of 98.7%;
- Low power consumption fan, with intelligent temperature control system;
- With grid-connected charging and discharging, off-grid independent inverter function;



Technical specification:

Technical specification	MEGA0500	MEGA0630
DC(battery)		
Voltage range(V)	600~900	
Max. current (A)	935	1,179
AC(on-grid)		
Max output power(kVA)	550	693
Rate output power(kW)	500	630
Rated voltage(V)	400	
Voltage range(V)	320~460	
Rated current(A)	722	909
Max. output current (A)	800	1,000
Rated frequency (Hz)	50/60	
Frequency range(Hz)	45~55/55~65	
THDi	<3%	
Power factor	1lagging-1leading (Settable)	
AC connection	3W+PE	
AC(off grid)		
Rated voltage(V)	400	
THDu	<1% Linear <5% Nonlinear	
Rated frequency(Hz)	50/60	
Overload capacity	110% ~long-term	
General data		
Max. efficiency	98.7%	
Ingress protection	IP21	
Noise emission(dB)	<70	
Operating temperature	-30°C~ 55°C	
Cooling	Forced air	
Relative humidity	0 ~95% non-condensing	
Altitude	5000m(>3000 Derating)	
Dimension W * D * H (mm)	1,200*800*2,050	
Weight(kg)	950	
Transformer	No	
Self-consumption(W)	<10	
Display and communication		
Display	LCD touch-screen	
BMS communication	RS485, CAN	
EMS communication	RS485, TCP/IP	
Certificates	IEC/EN62109-1/-2, IEC/EN 62477-1, IEC/EN 61000-6-2, IEC/EN 61000-6-4,CGC	