

MEGA large C&I inverter series

Power conversion system (without isolation transformer)



Key strengths

- Support multiple parallel connection, easy to expand capacity.
- Support constant voltage control and constant power control.
- Transformerless design, high operating efficiency.
- Support low & high voltage ride through function.

APPLICATIONS



PV charging station



Wind power storage



Grid-side storage



Combined heat and power frequency regulation

Model	MEGA0500	MEGA0630
DC(battery)		
Voltage range (V)	600~900	
Max. current (A)	929	1,170
AC(on-grid)		
Max. output power (kW)	550	693
Rated 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	1leading~1lagging(settable)	
Grid type	3W+PE	

General data

Max. efficiency	98.7%
Ingress protection	IP21
Noise emission (dB)	<70
Operating temperature (°C)	-30 ~ +55
Cooling	Forced air
Relative humidity	0 ~95% non-condensing
Max. operating altitude (m)	5,000(>3,000 derating)
Dimension W*D*H (mm)	1,000*700*2,050
Weight (kg)	950
Transformer	/
Self-consumption	< 0.5%

Display and communication

Display	LCD touch-screen
BMS communication	RS485, CAN
EMS communication	RS485, TCP/IP
Certificates	IEC/EN 62109-1/-2, EN 62477-1, IEC/EN 61000-6-2/-6-4, EN 50549-1, GB/T 34120, GB/T 34133, CGC-R46103:2018A, PTPIREE REV1.2 : 2024 TYPE B

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