



# Power Conversion System

(Without isolation transformer)

## > KEY STRENGTHS



### Friendly and Flexible

- > Wide battery voltage range, support multiple battery type access.
- > Off-grid cold start function, support multi-machine parallel function.



### Safe and Reliable

- > High performance DSP, optimized control circuit design, high reliable system.



### Abundant Configuration

- > Integrated design for easy transportation and integration.
- > Support RS485, CAN communication mode, can accept BMS instruction in real time.

## > APPLICATION AREA



PV charging station



Wind power storage



Grid-side storage



Combined thermal power FM

MEGA series PCS is specially designed for grid-level applications. It has multi-machine parallel function, grid black start, supports IEC61850 communication protocol, and can meet various scenarios of power generation, transmission, distribution and consumption.

## DC(battery)

Model	MEGA0500	MEGA0630
Voltage range(V)	600~900	
Max. current (A)	929	1,170

## AC(on-grid)

Model	MEGA0500	MEGA0630
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	

## General data

Model	MEGA0500	MEGA0630
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	
Operating altitude	5,000m(>3,000 Derating )	
Dimension W * D * H (mm)	1,000*700*2,050	
Net Weight(kg)	950	
Transformer	/	
Self-consumption(W)	<100	

## Display and communication

Model	MEGA0500	MEGA0630
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	