

# 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.

### DC(battery)

Model	M0500	M0630
Voltage range (V)	600~900	
Max. current (A)	929	1,170

### AC(on-grid)

Max output power (kW)	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

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)	<208W

### 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

## APPLICATIONS

- PV charging station
- Wind power storage
- Grid-side storage
- Combined thermal power FM