

MEGA Large C&I inverter series

# Power Conversion System (with 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 multimachine parallel function;

### Safe & reliable

- built-in isolation transformer, high load adaptability;
- AC/DC dual backup for auxiliary power supply;

### Intelligent & efficient

- Highest power density, maximum efficiency of 97.5%;
- With grid-connected charging and discharging, off-grid independent inverter function;



## Technical specification:



Technical specification	MEGA0030TS	MEGA0050TS	MEGA0100TS	MEGA0150TS	MEGA0250TS	MEGA0500TS
<b>DC(battery)</b>						
Voltage range (V)	250~850	320~850	420~850	420~850	420~850	500~850
Max. Current (A)	137	178	270	405	673	1,128
<b>AC(on-grid)</b>						
Max output power(kVA)	33	55	110	165	275	550
Rate output power(kW)	30	50	100	150	250	500
Rated voltage(V)	400					
Voltage range(V)	320~460					
Rated current(A)	43	72	144	216	361	722
Max. output current(A)	48	80	159	238	397	794
Rated frequency (Hz)	50/60					
Frequency range (Hz)	45~55/55~65					
THDi	<3%					
Power factor	1lagging-1leading (Settable)					
AC connection	3W+N+PE					
<b>AC(off grid)</b>						
Rated voltage(V)	400					
THDu	<1% Linear <5% Nonlinear					
Rated frequency(Hz)	50/60					
Overload capacity	110% long-term					
<b>General data</b>						
Max. efficiency	96.3%	96.5%	97.1%	97.1%	97.3%	97.5%
Ingress protection	IP21					
Noise emission(dB)	<70					
Operating temperature	-30°C~ 55°C					
Cooling	Forced air					
Relative humidity	0 ~95% non-condensing					
Altitude	5,000m(>3,000 Derating)					
Dimension W*D*H (mm)	800*800*1,900	800*800*1,900	800*800*2,050	800*800*2,050	1,200*800*2,050	1,600*1,050*2,050
Weight(kg)	605	676	936	1,057	1,582	2,665
Transformer ratio	100/400	200/400	270/400	270/400	270/400	315/400
Self-consumption (W)	<10					
On/ Off grid switching	Automatic					
<b>Display and communication</b>						
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					