

MEGA large C&I inverter series (480V)

# Power conversion system (With isolation transformer)



## Key strengths

- Flexible photovoltaic configuration, photovoltaic controller can be expanded; output voltage level, control strategy, etc. can be configured according to the needs of the site, to ensure that the product can be adapted to the site application.
- Port message monitoring function, convenient for debugging and maintenance; Remote monitoring and data analysis; Compatible with many battery BMS protocols.
- Multiple working modes, supporting multi machine parallel function

## Applications

» PV charging station

» C&I energy storage

» Charging station



MEGA0030TS/MEGA0050TS



MEGA0100TS/MEGA0150TS



MEGA0250TS



MEGA0500TS

**AC(on-grid)**

Model	MEGA0030TS	MEGA0050TS	MEGA0100TS	MEGA0150TS	MEGA0250TS	MEGA0500TS
Max. output power (kVA)	33	55	110	165	275	550
Rate output power (kW)	30	50	100	150	250	500
Rated voltage (V)	480					
Voltage range (V)	384~552					
Rated current (A)	37	61	121	181	301	601
Rated frequency (Hz)	50/60					
Frequency range (Hz)	45~55/55~65					
THDi	<3%					
Power factor	1lagging-1leading (Settable)					
AC connection	3W/N/PE					
Transformer ratio	100/480	200/480	270/480	270/480	270/480	315/480

**AC(off-grid)**

Max. output power (kVA)	33	55	110	165	275	550
Rate power (kW)	30	50	100	150	250	500
Rated voltage (V)	480					
Rated current (A)	37	61	121	181	301	601
THDu	≤1% linear; or ≤5% nonlinear					
Rated frequency (Hz)	50/60					
Overload capacity	110% long-term					

**Battery**

Battery voltage range (V)	250~850	320~850	420~850	420~850	420~850	500~850
Max current(A)	137	178	270	405	673	1128

**General data**

Dimension W*D*H (mm)	800*800*1,900	800*800*1,900	800*800*1,900	800*800*1,900	1,200*800*2,050	1,600*1050*2,050
Net weight(kg)	605	676	917	1,057	1,609	2,665
Operating temperature (°C)	-30 ~ 55					
Relative humidity	0 ~95% non-condensing					
Ingress protection	IP21					
Noise emission (dB)	<70					
Operating altitude	5,000m(>3,000 Derating)					
Cooling	Air Cooling					

**Display and communication**

Display	LCD touch-screen					
BMS communication	RS485,TCP/IP, CAN					
EMS communication	RS485,TCP/IP, CAN					