MEGAREVO

PM Modular Series Product

Energy Storage Inverter

105kW

Key strengths

- Suitable for 236~270 series of 280~320Ah energy storage batteries

- Equipped with contactors and fuses.

- Features fault recording and remote upgrade capabilities.

- Precise temperature control, IP60-IP20 protection, suitable for harsh environments.

- Lightweight design for easy single-person maintenance and installation.

DC(battery)

Model	PMA080	PMA0105	PMA0125
Max. DC power (kW)	96	126	150
DC voltage range (V)	615~950Vdc(3W+PE)/650~950Vdc(3W+N+PE)		
DC full load voltage range (V)	650~950Vdc(3W+PE)/680~950Vdc(3W+N+PE)		
Max. DC current (A)	±150	±195	±230
Voltage stabilization accuracy	±1%		
Current stabilization accuracy	±2%		

AC(on-grid)

Rated AC power (kW)	80	105	125
Max. AC power (kWA)	96	126	150
Voltage scale	3W+PE or 3W+N+PE		
Rated voltage (V)	400		
Rated AC current (A)	115	150	180
Max. AC current (A)	138	180	216
THDi	< 2%		
Allowable grid voltage range (V)	400Vac±15%		
Allowable grid frequency range (Hz)	50±2Hz/60±2Hz		
Power factor adjustment range	-1 ~ +1		

AC(off-grid)

Rated AC power (kW)	80	105	125
Max. output current (A)	138	180	216
Max. AC power (kWA)	96	126	150
Rated voltage (V)	230/400		
Rated frequency (Hz)	50Hz/60Hz		
Voltage accuracy	±1%		
Frequency accuracy	(50Hz/60Hz ±0.1%)Hz		
THDV	3% (linear load)		
Unbalanced load capacity	Supports 100% single-phase unbalance		
Overload capacity	≤110%, continuous；≤120%, 2min；＞120%, 200ms		

System

Max. efficiency	98.7%		
Charge/discharge switching time (ms)	< 20		
Ingress protection	IP20 (power compartment) IP6X (control compartment)		
Relative humidity	＜95%（non-condensing)		
Operating temperature range（℃)	-30~+60 (>45 derating)		
Max. operating altitude (m)	5000(>3000 derating)		
Communication interface	RS485/CAN/Ethernet		
BMS/EMS access	Support		
Dimension W*D*H (mm)	483*680*174 19inch 4U 483*680*220 19inch 5U	483*680*174 19inch 4U 483*680*220 19inch 5U	584*680*174 23inch 4U 584*680*220 23inch 5U
Weight (kg)	48(back wiring) 50(front wiring)	48(back wiring) 50(front wiring)	58(back wiring) 60(front wiring)