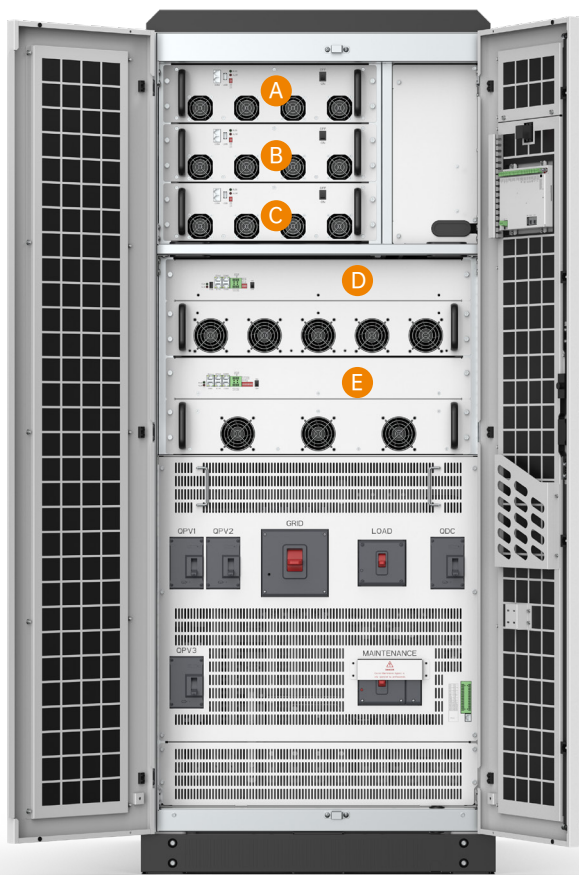




MPS Microgrid Series

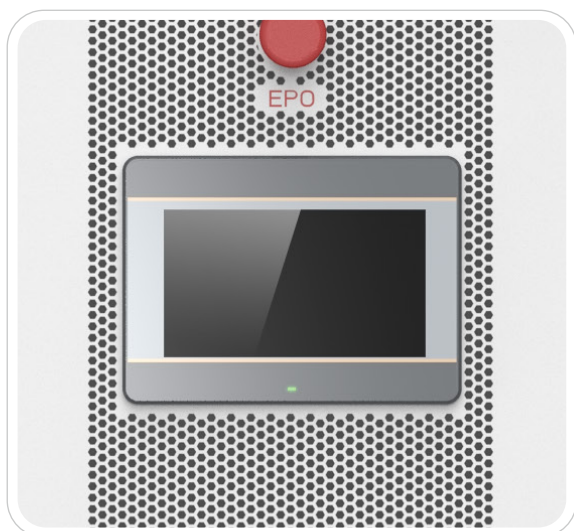
MPS-M fully modular hot swappable hybrid inverter

A B C MPPT module

D PCS module

E STS module

- MPPT, PCS, Battery DC coupling improves battery life and system efficiency
- Peak shaving/self-generation and self-consumption/capacity restrictions/capacity reserve power, etc., multiple modes combined, double the profits
- Three-phase four-wire off-grid without transformer, 100% unbalanced load, 1.65 times overload operation
- Three-phase four-wire grid connection, phase-separated multi-mode superimposed programming control, intelligent matching of small-capacity generators



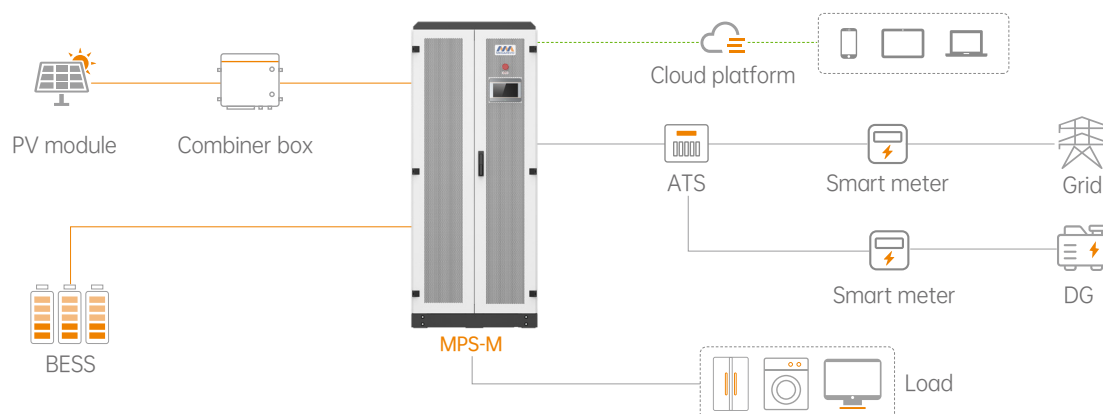
Smart-friendly

- 7-inch touch screen, local web, host computer, cloud platform, remote upgrade, fault recording function



Extremely intelligent matching

- Fully modular hot-swappable, 2x grid capacity 100% charging + 100% load, optional 1.8x PV capacity ratio



Model	MPS-M0125	MPS-M0250
PV data		
Max. PV input voltage (Vdc)	1000	
PV startup voltage (V)	250	
MPPT rated power (kW)	225	450
MPPT full load voltage range (Vdc)	550~950	
MPPT quantity	3	6
Max. power per MPPT (kW)	82.5	
Max. current per MPPT (A)	135	
DC data		
Rated DC power (kW)	125	250
DC operating voltage range (Vdc)	650~950(3W+N+PE)	
Max. continuous DC current (A)	±230	±460
AC grid-side data		
Rated AC power (kW)	250	500
Rated voltage (Vac)	L-N:220/230/240/277; L-L:380/400/415/480	
Rated AC current (A)	360	722
THDi	<3%(of rated power)	
Rated voltage/voltage range (Vac)	400Vac±15%(According to local standards)	
Rated frequency/frequency range (Hz)	50±5/60±5(According to local standards)	
Power factor/regulation range	>0.99; -1~ +1	
AC load side data		
Rated AC power (kW)	125	250
Rated voltage (Vac)	L-N:220/230/240/277; L-L:380/400/415/480	
Rated frequency (Hz)	50/60	
THDu	<3%(of linear load)	
Load unbalance	100% Three-phase unbalanced	
Overload capacity	≤110%:continuous; 110%~≤120%:2min; >120%:200ms	
Communication		
Human-computer interaction	7" Touch screen / Local web / Upper computer (Optional)	
Communication interface	Ethernet / RS485/CAN	
Communication with BMS	RS485 / CAN(Optional)	
Communication with EMS	RS485 / Ethernet(Optional)	
Protect		
AC/DC surge protection	Type II	
Battery/PV short circuit protection	Current control+fuse+DC contactor+breaker	
Load/grid short circuit protection	Current control+fuse+AC relay+breaker	
RCD/PV/battery insulation monitoring	Integration	
AC relay detection	Integration	
General		
Max. efficiency	99.5%	
On/off grid switching time (ms)	<20	
Operating temperature range (°C)	-30~+60(> 45 derating)	
Max. operating altitude (m)	4000(> 3000 derating)	
Cooling	Air cooling	
Dimensions W*D*H (mm)	800*900*1950	1200*900*1950
Weight (kg)	450	900