MEGAREVO

MPS HYBRID INVERTER



Model	MPS0030	MPS0050	MPS0100	MPS0150	MPS0250	MPS0500
AC(on-grid)						
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
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	100/400	200/400	270/400	270/400	270/400	315/400
AC(off-grid)						
Max output power(kVA)	33	55	110	165	275	550
Rated power(kW)	30	50	100	150	250	500
Rated voltage(V)	400					
Rated current(A)	43	72	144	216	361	722
THDU	≤1% linear; or≤5% nonlinear					
Rated frequency(Hz)	50/60					
Overload capacity	110% long-term					
PV input						
Max.PV input voltage(V)	1,000					
Max.PV power(kW)	60/120	60/120	120/180/240	120/180/240	300/360	600/660/720
MPPT voltage range(V)	250-850					
MPPT voltage range@full load(V)	450-850					
Battery						
Battery voltage range(V)	250~850	320~850	420~850	420~850	420~850	500~850
Max. charging power(kW)	60/120	60/120	120/180/240	120/180/240	300/360	600/660/720
General data						
Dimension W*D*H (mm)	800*800*1,900	800*800*1,900	1,200*800*2,050	1,200*800*2,050	(600*720*2,050)*1+ 1,200*800*2,050	(600*720*2,050)*2+ 1,600*1050*2,050
Weight (kg)	620/650	720/750	1,120/1,150/1,180	1,250/1,280/1,310	1,980/2,010	3,265/3,295/3,325
Operation temperature (℃)	-30 ~ 55					
Relative humidity	0 ~95% non-condensing					
Ingress protection	IP20					
Noise emission (dB)	<70					
Altitude	5,000m(>3,000 Derating)					
Cooling	Air Cooling					
Display & communication						
Display	LCD touch-screen					
BMS communication	RS485, CAN					
EMS communication	RS485, TCP/IP					
Certificates	EN62109-1/-2, EN62477-1, EN61000-6-2, EN61000-6-4, South Africa NRS097-2-1:2017, Pakistan & India IEC61727, IEC62116,IEC 61683					

MEDIUM-LARGE C&I ON-GRID INVERTER

Three Phase 40kW-60kW

Three Phase 100kW-125kW

Application: Large-scale Industrial and Commercial Sites

CE IEC CQC



Superior Efficiency

- Maximum efficiency 98.8%
- Compatible with high power modules
- 150% PV configuration, 110% output overload

Intelligent Maintenance

- Remote configuration and upgrade
- Supports export control
- String level I/V detect(Optional)

High Reliability

- IP65 waterproof and dustproof, C5 anti-corrosion
- Integarted type II DC/AC SPD

- Highly integrated, easy to deploy, shorten the installation and debugging time.
- Internal integration of optical / storage / PCS equipment, more unified bus control, increased system stability.
- Easy expansion, support PV flexible configuration.
- EMS functions are integrated into hybrid inverter , improve the economic benefits of the system.
- Support unattended, improve the operation and maintenance efficiency of the operator.