

POWERX1 SERIES HYBRID INVERTER

Single-Phase Solution

SUPERIOR PERFORMANCE

- DC Input Current up to 18A
- Max Charge/Discharge Current 250A
- Up to 6KW PV Input per MPPT
- 200% EPS Output for 10s

ADVANCED FUNCTIONALITY

- Shadow Scan for Optimal Production
- 6-Period TOU and Peak Shaving
- AC Coupling & Smart Circuit Functionality
- <10ms On-Grid to Off-Grid Transition

INTEGRATED CONTROL

- Advanced Diesel Generator Compatibility
- Up to 6 Pcs Parallel Operation
- VPP Ready for Various Application
- Smart Midea Heat Pump Control

TRUSTED RELIABILITY

- IP66 Design for Outdoor Application
- AFCI Integrated for Higher Safety
- String Monitoring
- IV Curve Diagnosis

Model	MEI2-HS8L	MEI2-HS10L	MEI2-HS12L
PV Input			
Max. input power [W]	16000	20000	24000
Max. input voltage [V]	600	600	600
Rated input voltage [V]	370	370	370
MPPT voltage range [V]	125-550	125-550	125-550
Startup voltage [V]	125	125	125
Max. input current per MPPT [A]	18	18	18
Max. short circuit current per MPPT [A]	25	25	25
Number of MPPTs / Number of PV strings per MPPT	3 / 1+1+1	4 / 1+1+1+1	4 / 1+1+1+1
Battery data			
Battery type		Li-Ion / Lead-acid	
Max. charge/discharge power [W]	8800	11000	13200
Battery voltage range [V]	40-60	40-60	40-60
Max. charge/discharge current [A]	190	220	250
AC Grid Side (On-grid)			
Rated output power [W]	8000	10000	12000
Max. output apparent power [VA]	8800	11000	12000
Rated grid voltage [V]	220/230/240	220/230/240	220/230/240
Rated grid frequency [Hz]	50/60	50/60	50/60
Rated output current [A]	36.4@220V, 34.8 @230V,33.4@240V	45.5@220V, 43.5@230V, 41.7@240V	54.6@220V, 52.2@230V, 50@240V
Max. output current [A]	40@220V, 38.3@230V, 36.7@240V	50@220V, 47.9@230V, 45.9@240V	54.6@220V, 52.2@230V, 50@240V
Max. input current from grid [A]	52.2	63	63
Power factor		~1 (Adjustable from 0.8 leading to 0.8 lagging)	
I.THD [%]	<3@Rated power	<3@Rated power	<3@Rated power
Backup port			
Rated power [W]	8000	10000	12000
Max. output apparent power [VA]	8800	11000	12000
Rated output voltage [V]	220/230/240	220/230/240	220/230/240
Rated output frequency [Hz]	50/60	50/60	50/60
Rated output current [A]	36.4@220V, 34.8 @230V,33.4@240V	45.5@220V, 43.5@230V, 41.7@240V	54.6@220V, 52.2@230V, 50@240V
Max. output current [A]	40@220V, 38.3@230V, 36.7@240V	50@220V, 47.9@230V, 45.9@240V	54.6@220V, 52.2@230V, 50@240V
Max. output peak power [W] / duretion [s]		2 times of rated power, 10s	
Switching from grid connected mode to standalone mode [ms]		≤4ms	
Output V. THD [%]	<3@Linear Load	<3@Linear Load	<3@Linear Load
Efficiency			
Max.efficiency [%]		97.60%	
Euro efficiency [%]		96.50%	
Protection			
Safety protection feature	LVRT, HVRT, Anti-islanding protection, AC output overvoltage / undervoltage protection, AC short circuit protection, AC overcurrent protection, Leakage current protection, Type II DC / AC surge protection, PV String Current Monitoring, PV insulation resistance detection, PV reverse polarity protection, PV input overvoltage protection, Earthing fault protection, DC arcing detection and protection (Optional), Battery reverse polarity protection		
System data			
Dimension（W*H*D）[mm]		474*620*226	
Weight [kg]		< 35	
Topology		Non-Isolated	
Operating temperature range [℃]		-30~+60(derating above +45)	
Relative humidity		0-100%(No condensing)	
Max. operation altitude [m]		3000	
Ingress protection		IP66	
Cooling method		Smart air cooling	
User interface		LCD, LED, APP	
Communication with BMS		CAN	
Typical noise emission [dB]		≤45dB	
Standard warranty [years]		5 (10*)	

*10 Year Warranty Campaign - Refer to Warranty Terms & Conditions