



POWERINFI SERIES G2 ALL-IN-ONE RESS

Three-Phase Solution



SUPERIOR PERFORMANCE

- DC Input Current up to 20A
- Up to 200% PV Input Power
- Up to 25A EPS Output Current
- Shadow Scan for Optimal Production



INTEGRATED CONTROL

- <10ms On-Grid to Off-Grid Transition
- Up to 6 PCS Parallel Operation
- VPP Ready for Various Application
- Smart Midea Heat Pump Control



FLEXIBLE APPLICATION

- Smart Swap Battery
- AC Couple, 6-Period TOU & Peak Shaving Functionality
- String Monitoring & IV Curve Diagnosis
- Installation < 15 min & Commissioning < 5 min



TRUSTED RELIABILITY

- ISO 13849 Function Safety & IEC 62443 Cyber Security
- 8 Level Cell Safety Protection
- IP66 Design for Outdoor Application
- AFCI Integrated for Higher Safety

PCS MODEL	MEI2-HT5H-AIO1	MEI2-HT6H-AIO1	MEI2-HT8H-AIO1	MEI2-HT10H-AIO1	MEI2-HT12H-AIO1	MEI2-HT15H-AIO1
PV Input						
Max. input power [W]	10000	12000	16000	20000	24000	30000
Max. input voltage [V]	1000					
Rated input voltage [V]	650					
MPPT voltage range [V]	180-850					
Startup voltage [V]	200					
Max. input current per MPPT [A]	20/20			20/20/20		
Max. short circuit current per MPPT [A]	25/25			25/25/25		
Number of MPPTs / PV strings per MPPT	2 / 1+1			3 / 1+1+1		
Battery data						
Battery voltage range [V]	320-495					
Max. charge/discharge current [A]	25/14.9	25/17.9	25/23.9	37/29.9	37/35.9	46.8/44.9
AC Grid Side (On-grid)						
Rated output power [W]	5000	6000	8000	9900	12000	15000
Max. output apparent power [VA]	5000	6000	8000	9900	12000	15000
Max. input apparent power from grid [VA]	10000	12000	16000	20000	24000	29600
Rated grid voltage [V] / frequency [Hz]	400 V, 50 Hz					
Max. output current [A]	7.2	8.7	11.5	14.4	17.3	21.7
Max. input current from grid [A]	14.4	17.4	23	28.8	34.6	43
Power factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)					
I.THD [%]	<3@Rated power					
Backup port						
Rated power [W]	5000	6000	8000	9900	12000	15000
Max. output apparent power [VA]	5000	6000	8000	9900	12000	15000
Rated grid voltage [V] / frequency [Hz]	400 V, 50 Hz					
Max. output current [A]	7.2	8.7	11.5	14.4	17.3	21.7
Max. output peak power [W] / duration [s]	10000, 10s	12000, 10s	16000, 10s	20000, 10s	24000, 10s	24000, 10s
Switch time to backup mode [ms]	<10					
Efficiency						
Max. efficiency / Euro efficiency [%]	97.5 / 95.5	97.5 / 95.9	97.5 / 96.5	97.5 / 96.8	97.5 / 96.9	97.5 / 97.2
Protection						
Safety protection feature	LVRT, HVRT, Anti-islanding protection, AC output overvoltage / undervoltage protection, AC short circuit protection, AC overcurrent protection, Leakage current protection, DC / AC surge protection, PV insulation resistance detection, PV reverse polarity protection, PV input overvoltage protection, Battery reverse polarity protection, Earthing fault protection, DC arcing detection and protection					
System data						
Dimension (W*H*D) [mm]	710*495*255					
Weight [kg]	36			40		
Topology	Non-isolated					
Operating temperature range [°C]	-20~+60					
Relative humidity	0-100%					
Max. operation altitude [m]	≤3000					
Ingress protection	IP66					
Cooling method	Natural Convection			Smart air cooling		
User interface	LED, APP					
Standard warranty [years]	10.0					
Certification	IEC 62109-1:2010, IEC 62109-2:2011, EN 62109-1:2010, EN 62109-2: 2011, IEC 61000-6-1,2,3,4, EN62920, IEC 61000-4-16/18/29, AS4777.2, AS60947.3, ISO 13849, IEC62443, IEC 60529, IEC 60068, IEC61683, EN50530, CEI 0-21, VDE4105					

Battery System MODEL	MEBC2-B15H-AIO	MEBC2-B20H-AIO	MEBC2-B25H-AIO	MEBC2-B30H-AIO	MEBC2-B35H-AIO	MEBC2-B40H-AIO	MEBC2-B50H-AIO	MEBC2-B60H-AIO
Sizes (W*H*T) [mm]	710*1205*170	710*1575*170	710*1260*170 710*835*170	710*1260*170 710*1205*170	710*1630*170 710*1205*170	710*1630*170 710*1575*170	710*1630*170 710*1260*170 710*1205*170	710*1630*170 710*1630*170 710*1575*170
Wight [kg]	156.4	206.4	266.9	316.9	366.9	416.9	527.4	627.4
Rated / Useable Capacity [kWh]	15.36 / 15	20.48 / 20	25.60 / 25	30.72 / 30	35.84 / 35	40.96 / 40	51.20 / 50	61.44 / 60
Max. charge / discharge power [kW]	2.5*3@continuous 3.5*3@10minutes	2.5*4@continuous 3.5*4@10minutes	2.5*5@continuous 3.5*5@10minutes	2.5*6@continuous 20.5@10minutes	2.5*7@continuous 20.5@10minutes	20.5 continuous	20.5 continuous	20.5 continuous
Max. continuous charge / discharge current [A]	20.7	27.6	34.5	41.4	48.3	50	50	50
Peak charge / discharge current [A] (10min)	25.62	34.16	42.7	50	50	50	50	50
Rated Voltag / Voltage rang [V]	410 / 362-464							
Operating ambient temperature	-20~50°C							
Operating ambient humidity	0~100% RH							
Cooling	Natural Convection							
Altitude	≤3000m							
Ingress Protection rate	IP66							
Mounting	Floor-Mounted / Wall-Mounted							
Cell type and Cell Room Temperature Cycle Life(25°C±2°C)	LFP, 6000 Cycles 0.5C/0.5C @70%SOH							
Standard warranty [years]	10 (The warranty is due whichever reached first of warranty period or Cell room Temperature Cycle Life)							
Certification	IEC62477-1, IEC62040-1, IEC62619, IEC 63056, ISO 13849, ISO 4892-4, UN38.3/MSDS, VDE-AR-N 2510-50, IEC61000-6-1/-2/-3/-4							

Remarks: Our all-in-one unit supports flexible battery capacity expansion from 5 kWh to 60 kWh.
Note that some capacity models are not fully displayed due to display/system limitations.