



POWERINFI SERIES 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



FLEXIBLE APPLICATION

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



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



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 -AIO	MEI2-HT6H -AIO	MEI2-HT8H -AIO	MEI2-HT10H -AIO	MEI2-HT10H -AIO2	MEI2-HT12H -AIO	MEI2-HT15H -AIO	
PV Input								
Max. input power [W]	10000	12000	16000	20000	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]*@350V	25/16.5	25/19.8	25/25	37/32.9	37/29.9	37/37	46.8/46.8	
AC Grid Side (On-grid)								
Rated output power [W]	5000	6000	8000	10000	10000	12000	15000	
Max. output apparent power [VA]	5500	6600	8800	11000	10000	13200	16500	
Max. input apparent power from grid [VA]	10000	12000	16000	20000	20000	24000	29600	
Rated grid voltage [V] / frequency [Hz]	380 / 400 V, 50 / 60 Hz							
Max. output current [A]	8.4	10	13.4	16.7	15.2	20	25	
Max. input current from grid [A]	15.2	18.2	24.3	30.4	30.4	36.5	43	
Power factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)							
I.TH.D [%]	<3@Rated power							
Backup port								
Rated power [W]	5000	6000	8000	10000	10000	12000	15000	
Max. output apparent power [VA]	5500	6600	8800	11000	10000	13200	16500	
Rated grid voltage [V] / frequency [Hz]	380 / 400 V, 50 / 60 Hz							
Max. output current [A]	8.4	10	13.4	16.7	15.2	20	25	
Max. output peak power [W] / durement[s]	10000, 10s	12000, 10s	16000, 10s	20000, 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 / 96.8	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(derating at +45)							
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							
Certification	IIEC 62109-1: 2010, IEC 62109-2: 2011, EN 62109-1: 2010, EN 62109-2: 2010, IEC 61000-6-1/2/3/4, EN62920, IEC 61000-4-16/18/29, IEC 61683, EN50530, CEI 0-21, VDE4105, AS/NZS4777.2, AS60947.3, EN50549-1/-10, TOR TypeA, NC RFG Type A, C10/C11, G98+G99+G100, IEC61727, IEC62116, SFS-EN50549-1, NTS+UNE217001+UNE217002+RD647							
Battery System Model								
	MEBC2-B5H -AIO-G	MEBC2-B10H -AIO-G	MEBC2-B15H -AIO-G	MEBC2-B20H -AIO-G	MEBC2-B25H -AIO-G	MEBC2-B30H -AIO-G	MEBC2-B35H -AIO-G	MEBC2-B40H -AIO-G
Sizes (W*H*T) [mm]	710*465*170	710*835*170	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
Weight[kg]	56.4	106.4	156.4	206.4	266.9	316.9	366.9	416.9
Rated / Useable Capacity [kWh]	5.12 / 5	10.24 / 10	15.36 / 15	20.48 / 20	25.6 / 25	30.72 / 30	35.84 / 35	40.96 / 40
Max. charge / discharge power [kW]	2.5@continuous / 3.5@10minutes	2.5*2@continuous / 3.5*2@10minutes	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
Max. continuous charge / discharge current [A] (@35°C)	6.9	13.8	20.7	27.6	34.5	41.4	48.3	50
Peak charge / discharge current [A] (@30°C, 15min)	8.54	17.08	25.62	34.16	42.7	50	50	50
Rated Voltage/Voltage Range	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 expires upon whichever comes first: the warranty period or the battery cell 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.								