

Battery System MODEL	MH-BAT5.0-HPE	MH-BAT10.0-HPE	MH-BAT15.0-HPE	MH-BAT20.0-HPE	MH-BAT25.0-HPE	MH-BAT30.0-HPE
Number of stacked battery packs per column	1	2	3	4	3/2	3/3
Nominal Energy [kWh]	5.12	10.24	15.36	20.48	25.6	30.72
Usable Energy [kWh]	5	10	15	20	25	30
Cell Capacity[Ah]	100	200	300	400	500	600
Rated charge / discharge power [kW]	2.5@continuous	2.5*2@continuous	2.5*3@continuous	2.5*4@continuous	2.5*5@continuous	2.5*6@continuous
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
Max. continuous charge / discharge current [A]	6.9	13.8	20.7	27.6	34.5	41.4
Peak charge / discharge current [A] (10min)	8.5	17.1	25.6	34.2	42.7	50.0
Rated voltage	410					
Voltage range [V]	362~464					
Battery Chemistry	LFP					
Sizes (W*H*D) [mm] (Recommended installation dimensions)	710*465*170	710*835*170	710*1205*170	710*1575*170	710*1205*170 / 710*895*170	710*1205*170 / 710*1265*170
Weight(Kg)	56.5	106	156.5	206.5	266	316.5
DOD[%]	97.65% ( default t )					
Cell room Temperature Cycle Life *	6000 Cycles 0.5C/0.5C 25°C±2 C @70%SOH					
Operating ambient temperature	-20~50 C					
Operating ambient humidity	0~100% RH					
Cooling	Natural Convection					
Altitude [m]	≤3000					
Communication port	CAN					
Regulation compliance	IEC62477-1, IEC62040-1, IEC62619, IEC 63056, ISO 13849, ISO 4892-4, U N38.3/MSDS, VDE-AR-N 2510-50					
EMC standard	IEC61000-6-1/-2/-3/-4					
Ingress Protection rate	IP66					
Mounting	Floor-Mounted / Wall-Mounted					
Battery System MODEL	MH-BAT35.0-HPE	MH-BAT40.0-HPE	MH-BAT45.0-HPE	MH-BAT50.0-HPE	MH-BAT55.0-HPE	MH-BAT60.0-HPE
Number of stacked battery packs per column	4/3	4/4	3/3/3	4/3/3	4/4/3	4/4/4
Nominal Energy [kWh]	35.84	40.96	46.08	51.2	56.32	61.44
Usable Energy [kWh]	35	40	45	50	55	60
Cell Capacity[Ah]	700	800	900	1000	1100	1200
Rated charge / discharge power [kW]	2.5*7@continuous	2.5*8@continuous	20.5continuous	20.5continuous	20.5continuous	20.5continuous
Max. charge / discharge power [kW]	2.5*7@continuous 20.5@10minutes	2.5*8@continuous 20.5@10minutes	20.5continuous 20.5@10minutes	20.5continuous 20.5@10minutes	20.5continuous 20.5@10minutes	20.5continuous 20.5@10minutes
Max. continuous charge / discharge current [A]	48.3	50	50	50	50	50
Peak charge / discharge current [A] (10min)	50.0	50	50	50	50	50
Rated voltage	410					
Voltage range [V]	362~464					
Battery Chemistry	LFP					
Sizes (W*H*D) [mm] (Recommended installation dimensions)	710*1575*170 / 710*1265*170	710*1575*170 / 710*1635*170	710*1205*170 / 710*1265*170 / 710*1265*170	710*1205*170 / 710*1265*170 / 710*1635*170	710*1205*170 / 710*1635*170 / 710*1635*170	710*1575*170 / 710*1635*170 / 710*1635*170
Weight(Kg)	367	417.5	478.5	529	579.5	630
DOD[%]	97.65% ( default t )					
Cell room Temperature Cycle Life *	6000 Cycles 0.5C/0.5C 25°C±2 C @70%SOH					
Operating ambient temperature	-20~50 C					
Operating ambient humidity	0~100% RH					
Cooling	Natural Convection					
Altitude [m]	≤3000					
Communication port	CAN					
Regulation compliance	IEC62477-1, IEC62040-1, IEC62619, IEC 63056, ISO 13849, ISO 4892-4 JN38.3/MSDS, VDE-AR-N 2510-50					
EMC standard	IEC61000-6-1/-2/-3/-4					
Ingress Protection rate	IP66					
Mounting	Floor-Mounted / Wall-Mounted					
Warranty Period*	10* years					

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