

Battery System MODEL	MH-BAT7.0-HPE-Pro	MH-BAT14-HPE-Pro	MH-BAT21-HPE-Pro	MH-BAT28-HPE-Pro	MH-BAT35-HPE-Pro	MH-BAT42-HPE-Pro
Number of stacked battery packs per column	1	2	3	4	3/2	3/3
Nominal Energy [kWh]	7.03	14.06	21.09	28.12	35.15	42.18
Usable Energy [kWh]	6.86	13.72	20.58	27.44	34.3	41.16
Cell Capacity[Ah]	314	628	942	1256	1570	1884
Rated charge / discharge power [kW]	3.5@continuous	3.5*2@continuous	3.5*3@continuous	3.5*4@continuous	3.5*5@continuous	3.5*6@continuous
Max. charge / discharge power [kW]	3.5@continuous 4.9@15minutes	3.5*2@continuous 4.9*2@15minutes	3.5*3@continuous 4.9*3@15minutes	3.5*4@continuous 4.9*4@15minutes	3.5*5@continuous 4.9*5@15minutes	3.5*6@continuous 4.9*6@15minutes
Max. continuous charge / discharge current [A]	9.2	18.4	27.6	36.8	46	50
Peak charge / discharge current [A] (15min)	12.9	25.8	38.7	50	50	50
Rated voltage[V]	410(Single Phase) / 720(Three Phase)					
Voltage range [V]	350—560 Vd.c. (Single Phase) / 620—950 Vd.c. (Three Phase)					
Battery Chemistry	LiFePO4 (LFP)					
Sizes (W*H*D) [mm] (Recommended installation dimensions)	710*475*250	710*815*250	710*1155*250	710*1495*250	710*1155*250 / 710*815*250	710*1155*250 / 710*1155*250
Weight(Kg) [Single battery pack]	65	130	195	260	325	390
DOD[%]	97.58%					
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, UN38.3/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-BAT49-HPE-Pro	MH-BAT56-HPE-Pro	MH-BAT63-HPE-Pro	MH-BAT70-HPE-Pro	MH-BAT77-HPE-Pro	MH-BAT84-HPE-Pro
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]	49.21	56.24	63.27	70.3	77.33	84.36
Usable Energy [kWh]	48.02	54.88	61.74	68.6	75.46	82.32
Cell Capacity[Ah]	2198	2512	2826	3140	3454	3768
Rated charge / discharge power [kW]	3.5*7@continuous	3.5*8@continuous	3.5*8continuous	3.5*8continuous	3.5*8continuous	3.5*8continuous
Max. charge / discharge power [kW]	3.5*7@continuous 4.9*7@15minutes	3.5*8@continuous 4.9*8@15minutes	3.5*8continuous 4.9*8@15minutes	3.5*8continuous 4.9*8@15minutes	3.5*8continuous 4.9*8@15minutes	3.5*8continuous 4.9*8@15minutes
Max. continuous charge / discharge current [A]	50	50	50	50	50	50
Peak charge / discharge current [A] (10min)	50	50	50	50	50	50
Rated voltage[V]	410(Single Phase) / 720(Three Phase)					
Voltage range [V]	350—560 Vd.c. (Single Phase) / 620—950 Vd.c. (Three Phase)					
Battery Chemistry	LiFePO4 (LFP)					
Sizes (W*H*D) [mm] (Recommended installation dimensions)]	710*1495*250 / 710*1155*250	710*1495*250/ 710*1495*250	710*1155*250 / 710*1155*250 / 710*1155*250	710*1495*250 / 710*1155*250 / 710*1155*250	710*1495*250 / 710*1495*250 / 710*1155*250	710*1495*250 / 710*1495*250 / 710*1495*250
Weight(Kg) [Single battery pack]	455	520	585	650	715	780
DOD[%]	97.58%					
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, UN38.3/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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