



A member of Midea group

Inverter series name :Powerinfi

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MADE IN CHINA

Technical Data	MH-HYIV3.0-SHE-AU	MH-HYIV3.68-SHE-AU	MH-HYIV3.8-SHE-AU	MH-HYIV4.0-SHE-AU	MH-HYIV4.6-SHE-AU	MH-HYIV5.0-SHE-AU	MH-HYIV6.0-SHE-AU	MH-HYIV8.0-SHE-AU
PV Input								
Max. input power [W]	6000	7360	7600	8000	9200	10000	12000	12800
Max. input voltage [V]	550							
Rated input voltage [V]	360							
MPPT voltage range [V]	80-500							
MPPT voltage range for rated power[V]	140-480	140-480	140-480	140-480	150-480	160-480	190-480	180-480
Startup voltage [V]	100							
Max. input current per MPPT [A]	20/20							
Max. short circuit current per MPPT [A]	25/25							
Number of MPPTs / PV stringsper MPPT	2 / 1+1							
Backfeed Current [A]	0							
Overvoltage Category (OVC)	OVC II							
Battery data								
Battery Type	Li-Ion							
Battery voltage range [V]	320-480							
Max. charge/discharge current [A]@330V	12.5/9.5	12.5/11.7	12.5/12.1	12.5/12.7	18.7/14.6	18.7/15.9	18.7/19.1	25/25
Overvoltage Category (OVC)	OVC II							
AC Grid Side (On-grid)								
Rated output power [W]	3000	3680	3800	4000	4600	5000	6000	8000
Rated / Max. output apparent power [VA]	3000	3680	3800	4000	4600	5000	6000	8000
Rated grid voltage [V] / frequency [Hz]	230V, 50/60 Hz, L/N/PE							
Max. input apparent power from grid [VA]	6000	7360	7600	8000	9200	10000	11500	11500
Rated output current [A]	13.1	16	16.6	17.4	20	21.8	26.1	34.8
Max. input current from grid [A]	26.1	32	33.1	34.8	40	43.5	50	50
Normal Operating Frequency Range Fn [Hz]	45-55/55-65							
Power factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)							
I.TH.D [%]	<3@Rated power							
Overvoltage Category (OVC)	OVC III							
Backup port								
Rated power [W]	3000	3680	3800	4000	4600	5000	6000	8000
Rated / Max. output apparent power without utility grid [VA]	3000	3680	3800	4000	4600	5000	6000	8000
Rated grid voltage [V] / frequency [Hz] Max	230V, 50/60 Hz, L/N/PE							
Rated output current [A]	13.1	16	16.6	17.4	20	21.8	26.1	34.8
Max.output peak power[W]/duretion[s]	6000,10s	7360,10s	7600, 10s	8000,10s	9200,10s	10000,10s	12000,10s	12000,10s
Switch time to backup mode [ms]	<10ms							
EFFICIENCY								
MPPT efficiency [%]	99.2	99.5	99.5	99.6	99.9	99.9	99.9	99.9
Max. efficiency / Euro efficiency [%]	97.3 / 95.7	97.3 / 96.2	97.3 / 96.2	97.4 / 96.6	97.4 / 96.9	97.4 / 96.9	97.4 / 96.9	97.4 / 96.9
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*395*232							
Weight [kg]	27±3							
Topology	Non-isolated							
Operating temperature range [°C]	-20~+60(derating at +45)							
Protective Class	Class I							
Pollution degree (PD)	PD2 (Inside)/PD3 (Outside)							
Relative humidity	0 ~ 100%							
Max. operation altitude [m]	≤3000							
Ingress protection	IP66							
Cooling method	Natural Convection							
User interface	LED, APP							
Standard warranty [years]	10							
Importer Information								
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Add: Suite Level 12, 600 St Kilda Road Melbourne VIC 3004, Australia								
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