Haier





Model	HH3P-5KA1-HU	HH3P-6KA1-HU	HH3P-8KA1-HU	HH3P-10KA1-HU



Input DC (PV side) Recommended max. PV power	8kW	9.6kW	12.8 kW	16kW		
Max.inputvoltage		•	1000V			
Rated voltage			600V			
Start-up voltage		20	160V 0-850V			
MPPT voltage range Max. Input current	16Δ /			/16Δ/16Δ		
Max. short circuit current	16A / 16A / 16A 24A / 24A / 24A		16A/16A/16A 24A/24A/24A			
MPPT number	3	3	4	4		
Max. number of input stringsper MPPT	1	1	1	1		
Battery						
Battery type Battery voltage range			Li-ion 0-600V			
Max.charge/discharge power	5kW	6kW	8kW	10kW		
Max.charge/discharge current	25A	25A	50A	50A		
Communication		CAI	N/RS 485			
Output AC(Grid side)	F1-\A/	CLAM	0134	10114		
Rated output power Max. apparent output power	5 kW 5 kVA	6kW 6kVA	8kW 8kVA	10kW 10kVA		
Rated grid voltage	JKVA		PE,380/400V	IONVA		
lated grid frequency	50/60Hz					
Rated grid output current	7.6A/7.2A	9.1A/8.7A	12.2A/11.5A	15.2A/14.4A		
Max. Output current Power factor	7.6A/7.2A	9.1A/8.7A	12.2A/11.5A	15.2A/14.4A		
HDi	>0.99(0.8 leading - 0.8 lagging) < 3 %					
nput AC(Grid side)			-5 70			
Max.inputpower	7.5kW	9kW	12kW	15kW		
Rated input current	11.4A	13.8A	18.2A	22.8A		
Ratedinputvoltage	3L/N/PE,380/400V					
Ratedinputfrequency Output AC(Back-up)		50	0/ 60 Hz			
Rated output power	5kW	6kW	8kW	10kW		
Max. apparent output power	8kVA,60sec	9.6 kVA, 60 sec	12.8 kVA, 60 sec	16 kVA, 60 sec		
Back-up switch time	<10ms					
Rated output voltage Rated frequency	3L/N/PE, 380/400V 50/60 Hz					
Rated output current	7.6A/7.2A	9.1A/8.7A	12.2 A/11.5A	15.2A/14.4A		
THDv(@linear load)	7.00/ 7.20	3.17(70.77)	<2%	15.277 14.477		
Efficiency						
Max.efficiency	96.50%	97.00%	97.50%	97.90%		
U efficiency	96.77%	97.10%	97.41%	97.51%		
Protection Anti-islanding protection		Yes Active	Frequency Drift			
ntegrated AFCI (DC arc-fault circuit	Yes, Active Frequency Drift					
protection) nsulation Resistordetection	Yes					
Residual current monitoring unit	Yes Yes					
Output over current protection			Yes			
Output short protection			Yes			
Output overvoltage protection			Yes	<u> </u>		
ntegrated DC switch	Yes					
OC reverse-polarity protection PV overvoltage protection	Yes					
Battery reverse protection			Yes Yes			
General Data						
Dimensions (W*H*D)		0*210mm)*230mm		
Veight	27	.58kg		18kg		
opology	Transformerless III(Main) II(PV)					
Overvoltage Category Self-consumption (night)						
Operating ambient temperature range	<25W -25~+60°C					
rotection rating	-25~+60 C IP66					
rotective class			1			
Cooling concept	Natural convection					
Max. Operation altitude Grid connection standard	4000 m AS/NZS 4777.2:2020					
afety/EMC standard	AS/NZS 4///.2:2020 IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-3					
		120/21102103 1/	-,,,			
extures V connection		MC/	connector			
Battery connection		1104	33			
AC connection	Quick connection plug					
Display screen	LED+Bluetooth+APP					
Communication	CAN, RS485, Ethernet, Wi-Fi, LAN					

Only inverters of the same brand and power range are supported for parallel, and the battery capacity under each inverter should be the same.

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