

# H1PL-2J3/3.6/5/6K-EU

Haier

## Single-phase Hybrid Inverter (LV)



### Includes AFCI module, for added safety



#### High performance

The maximum output power is 1.4 times the rated output power, which can support inductive load connection



#### Safe

IP65,outdoor application




#### Active safety

AFCI protection



#### UPS

Back-up switch time < 20ms

Model	H1PL-2J3K-EU	H1PL-2J3.6K-EU	H1PL-2J5K-EU	H1PL-2J6K-EU
Picture				
<b>Input DC (PV side)</b>				
Recommended max. PV power	4.8 kW	5.7 kW	8 kW	8 kW
Max. input voltage				
Rated voltage	330 V			
Start-up voltage	120 V			
MPPT voltage range	90 ~ 520 V			
Max. input current	15 A / 15 A			
Max. short circuit current	22.5 A / 22.5 A			
MPPT number	2			
Max. input strings number per MPPT	1			
<b>Battery</b>				
Battery type	Li-ion / Lead-acid			
Battery voltage range	42 ~ 58 V			
Max. charge / discharge power	3 kW		5 kW	
Max. charge / discharge current	62.5 A		100 A	
Communication	CAN			
<b>Output AC (Grid side)</b>				
Rated output power	3 kW	3.6 kW	5 kW	6 kW
Max. apparent output power	3.3 kVA	4 kVA	5.5 kVA	6.6 kVA
Operation phase	1 / N / PE			
Rated grid voltage	220 V / 230 V			
Rated grid frequency	50 Hz / 60 Hz			
Rated grid output current	13.7 A / 13.1 A	16.4 A / 15.7 A	22.8 A / 21.7 A	27.3 A / 26.1 A
Max. output current	15 A	18.5 A	25 A	30 A
Power factor	> 0.99 (0.8 leading - 0.8 lagging)			
THDi	< 3%			
<b>Input AC (Grid side)</b>				
Input voltage range	187 ~ 265 V			
Max. input current	20.5 A / 20 A	25 A / 23.5 A	34.5 A / 33 A	34.5 A / 33 A
Frequency range	45-55 Hz / 55-65 Hz			
<b>Output AC (Back-up)</b>				
Rated output power	3 kW		5 kW	
Max. apparent output power	4.5 kVA, 10 sec		7 kVA, 10 sec	
Back-up switch time	< 20 ms			
Rated output voltage	1 / N / PE, 220 V / 230 V			
Rated frequency	50 Hz / 60 Hz			
Max. output current	14 A / 13.5 A		23 A / 22 A	
THDv (@linear load)	< 3%			
<b>Efficiency</b>				
Max. efficiency	> 97.1%			
EU efficiency	> 96.5%			
<b>Protection</b>				
DC reverse-polarity protection	Yes			
Short circuit protection	Yes			
Output over current protection	Yes			
Surge protection	DC Type II / AC Type II			
Ground fault monitoring	Yes			
Integrated AFCI (DC arc-fault circuit protection)	Yes			
Protection class / Over voltage category	I / II			
<b>General Data</b>				
Dimensions (W*H*D)	333 * 505 * 249 mm			
Weight	18.3 kg			
Topology	High frequency isolation ( for battery )			
Operating ambient temperature range	-25 ~ +60°C			
Protection rating	IP65			
Cooling concept	Natural convection			
Max. operation altitude	3000 m			
Grid connection standard	EN 50549-1, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI 0-21			
Safety/EMC standard	IEC/EN 62109-1/-2, EN 61000-6-1/-2/-3/-4, EN 55011			
<b>Features</b>				
DC connection	MC4 connector			
AC connection	Quick connection plug			
Display	7.0" LCD color screen display			
Communication	RS485, Wi-Fi, LAN; Optional: GPRS			

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