	Ζ	3			4		_	
				REV. ECN	NO. DESCRIPTION	DATE	SIGNATU	E
				00 /	Kelease spec. 将USB修改为航插头,更新快装	2021/09/08	作用太 徐承宏	-
						2022/05/51	10-1-124	-
					·			
技术要求:								
1. 成品贝面尺寸: A4;								
2 1050双钼纯双面叉在打印								
Z. IVJYM-114/101/14;								
3 未注尺寸按+15mm:								
			GENERAL TOLERANCES	5	DESIGNED BY DES	CRIPTION	HHS3-	~K
4. 图面、字体印刷清晰,无乱码、无偏利	眵、尢毛边、个起边、油墨不脱落;		FOR HOLES : ±0.05 FOR ANGLES : ±0.5°	FOR CABLES		Quick Install	ation Gui	Je
			FOR LINEAR DIMENSION	0-200 :+10/ >200-500 :+20/	-0 CHECKED BY USE	D ON		
つ. 付合ドロロン;			(IDECIMALS ()RANGE	>500-1000 :+30/ >1000 :+50/	-0 -0 张道伟		HHS3-	۶K
		HYPDNTECH	X.X :±0.2 0-50 :±0.1	FOR PACKING MAT	L. APPROVED BY DRA	WING NO./FILE NO.		
			X.XX :±0.1 >200-400 :±0.3 X.XXX :±0.05 >600-600 :±0.4	0-30 :±1 >30-100 :±2				
		SIZE FIRST ANGLE PROJECTION UNIT	>600-800 ±0.5	>100-300 :±3 >300-500 :±3.5	SCALE SHEET PAR	T NO.	REV.	
		A3	GB/11804(ISO2768-1): >800-1000 :±0.6 () f () m () c >1000 :±1.0	>500-1000 :±4 >1000 :±5	1:1 1 OF 1	H838-00036	-01 0	1
1	2	FRAME NO.: J-FR-RD005-A2 3						-

HYPDNTECH Quick Installation Guide

HHS-3000 / HHS-3680 / HHS-5000 / HHS-6000





LCD&LED or LED
 DC switch (optional)
 PV Terminal (s)
 Battery Terminal (s)
 COM1: Wi-Fi / GPRS Stick(optional)
 COM2: DRED / CT Terminal
 BACK-UP Terminal
 BACK-UP Terminal
 AC Terminal
 AC Terminal
 AC Terminal
 AC Terminal



Dimension:W×H×D=425 x 351 x 160mm

2. Packing List **, 101** 888 0 PV Plugs Battery Mountina : Mountina BACK-UP AC-GRID Meter Plug Wi-Fi stick Bracket Accessories MC4 or D4 Plugs Inverter Documents Connector Connector (optional) (optional) (optional) (SUNČLIX)

3. Installing

Installation Requirements

- 1. Please install the inverter(s) in places that can avoid
- inadvertent contact.
- Please install the inverter on solid/smooth surfaces.
 The inverter(s) should not be installed near inflammable
- The inverter(s) should not be installed or explosive objects.



300mm

AVOID AV

3.1 Mounting

- 3.1.1 Use the mounting paper guide to mark holes on the wall,
- Drill three holes in the marked position of 10mm diameter and 70mm depth
- 3.1.2 Fix the expansion bolts and mount the main bracket with the screws in mounting accessories
- 3.1.3 Attach the inverter to the mounting bracket. Mount the supporting bracket at the bottom of the inverter
- 3.1.4 Check both sides of heat sink and ensure the inverter is stably attached
- 3.1.5 Use M5 screw (torque:2.5Nm) to attach the heat sink fins to the munting bracket
- 3.1.6 It is recommended to attach an anti-theft lock to the inverter



3.2 Installing the PE Cable

A second PE terminal is equipped at the bottom of the inverter. PE Conductor cross-section: 10mm² Ensure the PE terminal is reliably grounded and the grounding resistance is less

than 10 Ohm.

Object	Description			
1	Housing			
2	M5 terminal lug with protective conductor			
3	M5×13 pan head screw			
Tighten it firmly into the housing (T25 screwdriver, torque: 2.5Nm).				

Proper grounding connection of the second PE terminal and the AC terminal is mandatory. NOT properly connecting both PE will void all product warranty.

3.3 AC-GRID & BACK-UP Wire Assembly and Connection

\land DANGER

Danger to Life due to High Voltages in the Inverter

Before connecting any electrical wires and components, please ensure the DC switch & AC circuit breaker are switched OFF and cannot be reactivated.



3.4 PV Wire Assembly and Connection

Meeting the following requirements is mandatory. All warranty rights will otherwise be invalid.

3.4.1 Maximum open voltage of each string is less than 600V.

- 3.4.2 Maximum short circuit current of each PV input is less than inverter allowable limit.
- 3.4.3 The string is well insulated to ground in all cases.
- 3.4.4 Make sure that the DC connectors have the correct polarity.

3.4.5 If the PV connectors are not assembled properly and locked into place, arc or overheat may be induced.



The stick is included in the scope of delivery as an option.

3.6.1 Tighten the stick into the COM1 port. Make sure the stick is securely connected. Otherwise the communication cannot be built.
3.6.2 For the connection and configuration of the Wi-Fi stick please refer to <HED-WF stick User manual>.





3.5 Battery Wire Assembly and Connection

Meeting the following requirements is mandatory. All warranty rights will otherwise be invalid.

3.5.1 Make sure there is an external DC breaker (≥40A) connected for battery without built-in DC breaker. 3.5.2 Please ensure the battery model is enlisted in the suggested list in the user manual. Provent reverse polarity connection! 3.5.3 If the Battery connectors are not assembled properly and locked into place, arc or overheat may be induced.





NOTICE For AS/NZS 4777, DRM0 is supported. Make sure the cover and the communication cable gland has been mounted properly and adequate

4. Commissioning

Please check if

1. The inverter and mounting bracket have been correctly installed. 2. The inverter's exposed metal surface has a ground connection. 3. The resistance between PV arrays and ground is greater than 1Mohm. 4. For any unused DC terminals, there are DC connectors inserted to the terminal and sealed with waterproof caps. 5. The grid voltage at the point of connection of the inverter is within the permitted range. 6. The AC circuit breaker must be correctly rated and wired. 7. The cable communication connectors have been correctly wired and tightened.

Startup

Switch on the DC switch after finishing the above checks, then switch on the AC circuit breaker. When there is sufficient DC power applied and the grid conditions are met, the inverter will start to operate automatically.

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