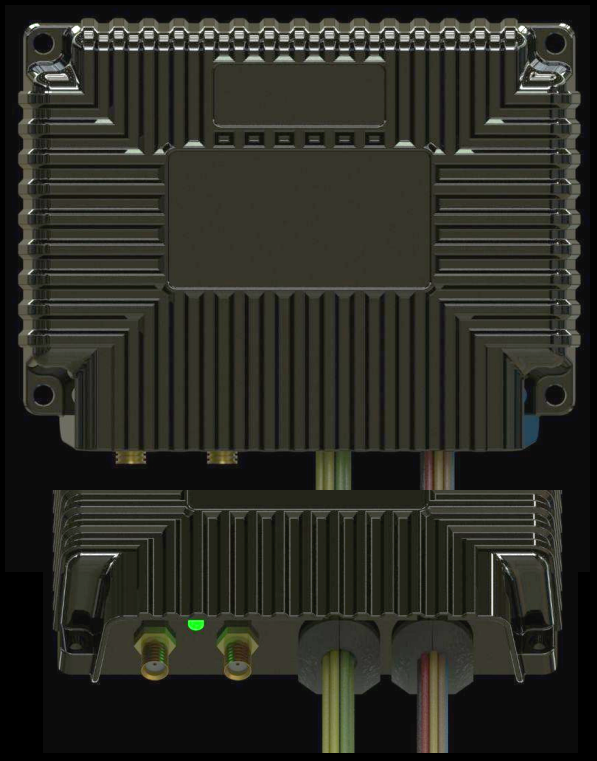
Insytly™

HUB2 Specification Sheet

SKU: IY-HUB2



✅ Wide power input for 12V-48V battery types (including lithium) with accurate battery charging status and voltage.
✅ 2G/4G LTE-CAT1 Connectivity for Europe or Global on all networks, the same as your mobile phone device.
✅ 2x VE-Direct integration via a single cable.
✅ 10+ IO channels 0-72V, 0-10K, 0-10V.
✅ Onboard accelerometer for shock and tilt detection.
✅ 5 minute updates for as little as £6 ex VAT per month.
✅ Power usage as low as 5mAh @ 12VDC with GPS.
✅ Live control of 4 7.5A circuits for control or reset mode.
✅ UK Manufactured, Developed & Hosted.

Features

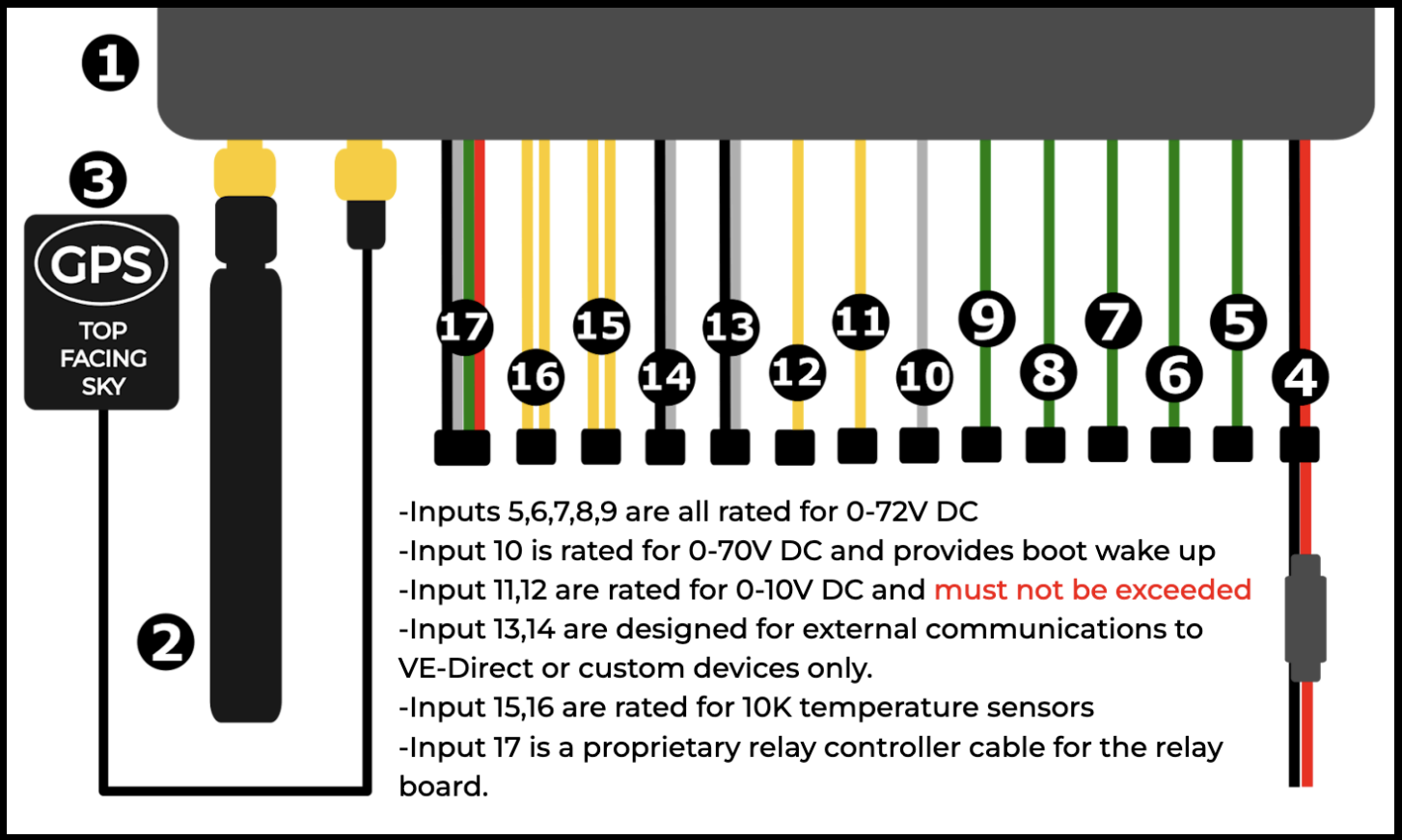
⦿ Remotely monitor battery/solar data from anywhere in the world across up to 6 battery banks.
⦿ Monitoring of VE-Direct/Serial Devices, 2 External Temperature probes and 0-10V inputs.
⦿ Runtime of Green, Yellow, Brown, Blue & Orange inputs for monitoring of switches, solar, load etc.
⦿ Remotely control 4 relays in ON/OFF or 3 sec reset mode. Control in 2 seconds globally (LIVE Mode)
⦿ Live location and historical data for all movements of equipment. Add simple or complex geofences.
⦿ Full Web and iOS/Android dashboards and apps with hierarchy access levels and control.
⦿ Shared access to your end customers or stakeholders through a branded app and web dashboard.
⦿ Full customisation of settings, from remotely setting wake, sleep, cycle times and more.
⦿ Add system enclosure security through our door open alert switch or with impact detection.

Technical Specifications		Device Functionality	
Materials & IP Rating	PC/ABS, A2 Stainless fittings, TPU rubber, IP54	Batteries A1-A5	1 Main Battery & 5 Additional 0-72VDC
Size & Mounting	110mm x 95mm x 35mm, 4x M4 bolt	Temperature	1 Onboard, 2 External
Connectivity	2G, 4G CAT1 LTE EU bands, global on request	Sensor Run Time	YES for Green,Yellow, White Wires
Operating Power	7 - 70 VDC	Trigger Wake	YES - White Wire
Configuration	Remote configuration by Cloud Portal over 4G	Vibration/Tilt	TILT XY XZ YZ, Vibration Runtime and Acceleration
Power Draw @ 12VDC	15 minute = 4mAh, 5 minute = 5mAh, Live = 45mAh	Impact	1.8G Customisable
Report Interval	30 second to 300 minute	Control	4 via External Relay Controller. On/Off & Reset Mode 3 second pulse
Boot Mode	YES - 90 second White Wire Standard or Custom	0-10V	2 0-10V inputs for interfacing 4-20ma type converters and sensors
		Serial	2 VE-Direct or compatible

A fair use policy applies for the White Boot wire, if wired in permanently for faster updates, power consumption will increase and the subscription charges will increase by £4 PCM. Fair use accounts for 5% utilisation.

Seamless Web & Mobile Applications

⦿ Access to lifetime data for analysis and comparison, exportable by CSV or used in platform.
⦿ Set and control notifications for all data channels, geofencing and tamper, Push and Email delivery.
⦿ Create custom dashboards for your device and for a fleet or site of devices.
⦿ Unlimited team users, notifications, emails..
⦿ Customise all aspects of your platform to create operational dashboards and systems..
⦿ Integrate a range of 3rd party data feeds from the likes of Victron VRM, Efoy, Teltonika and custom.



1. IY-HUB2	2. 4G Antenna	3. GPS Antenna *2M Cable*	4. Fused Power Loom **POWER**-*RED/BLACK*
5. Analogue 1 **A1**-*GREEN*	6. Analogue 2 **A2**-*GREEN*	7. Analogue 3 **A3**-*GREEN*	8. Analogue 4 **A4**-*GREEN*
9. Analogue 5 **A5**-*GREEN*	10. Analogue 6/Boot **BOOT**-*WHITE*	11. Analogue 0-10V A **0-10V A**-*YELLOW*	12. Analogue 0-10V B **0-10V B**-*YELLOW*
13. External Temp 1 **TEMP 1** *-YELLOW/YELLOW*	14. External Temp 2 **TEMP 2** *-YELLOW/YELLOW*	15. VE 1 Connector **VE1**-*WHITE/BLACK*	16. VE 2 Connector **VE2**-*WHITE/BLACK*
17. Relay Module Cable **RELAY**-*4CORE*			