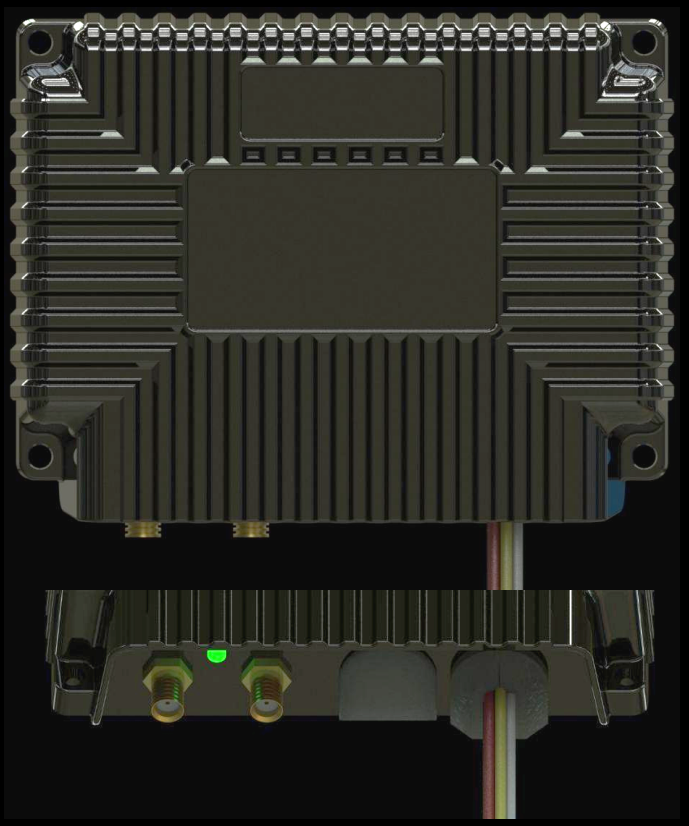
Insytly™

LITE Specification Sheet

SKU: IY-LITE



✅ Works with 12V, 24V, 36V and 48V, all battery types (including lithium) allowing for accurate battery charging status and voltage.
✅ 2G/4G LTE-CAT1 Connectivity for EU, Regional or Global on all networks, the same as your mobile phone device.
✅ 15 minute updates for as little as £4 ex VAT per month.
✅ GPS allows for constant tracking and location of assets including geofencing.
✅ Minimal power usage of 4mAh @ 12VDC with GPS.
✅ Lifetime data storage and access as standard.
✅ Made in the UK with a full UK Support, App and Development Team.

Features

⦿ Full Web and iOS/Android dashboards and apps with hierarchy access levels and control.
⦿ Remotely monitor battery/solar data from anywhere in the world across up to 3 battery banks.
⦿ Get the run time of Green and Yellow sensors for monitoring of switches and inputs, solar, load etc.
⦿ View live location and historical data for all movements of equipment.
⦿ Add simple or complex geofences in the app or cloud to be notified of area moves.
⦿ Provide shared access to your engineers through the app and web dashboard.
⦿ Includes device temperature, signal strength and operator, switches provider on low signal.
⦿ Add security elements through our trigger wire system or with impact detection.

Operations Benefits

Technical Specifications		Device Functionality	
Materials & IP Rating	PC/ABS, A2 Stainless fittings, TPU rubber, IP64	Batteries	1x Main Battery & 2x Additional 0-72VDC
Size & Mounting	110mm x 95mm x 35mm, 4x M4 bolt	Temperature	1x Onboard
Connectivity	2G, 4G CAT1 LTE EU, Regional or Global	Sensor Run Time	YES for both Green & Yellow Wires
Operating Power	7 - 70 VDC	Vibration/Tilt	TILT - VIB Runtime Only
Power Draw @ 12VDC	15 minute = 4mAh	Impact	1.8G Rating to Trigger
Report Interval	15 Minutes Only	Boot Mode/ White Trigger Wake	YES - 90 second White Wire

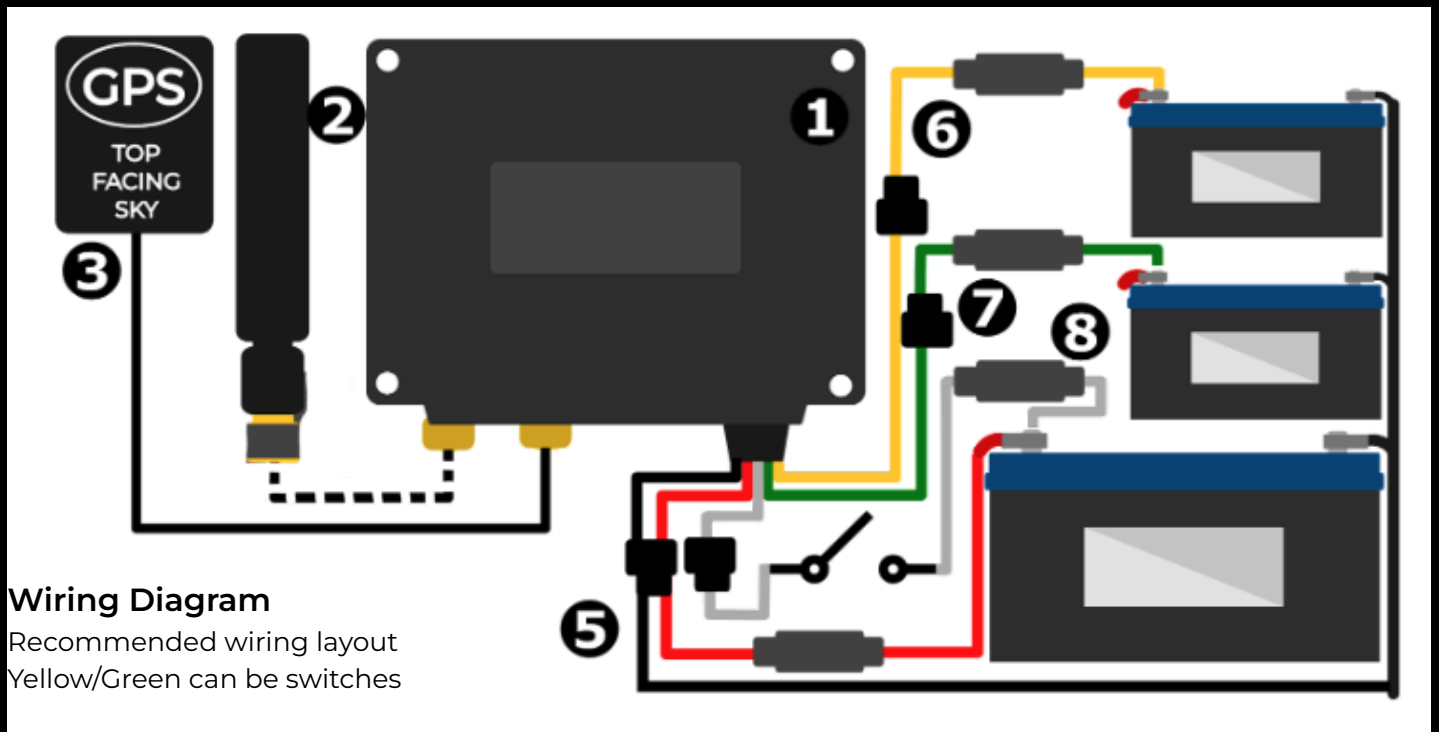
A fair use policy applies for the White Boot wire, if wired in permanently for faster updates, power consumption will increase and the subscription charges will increase by £4 PCM. Fair use accounts for 5% utilisation.

Download on the App Store

GET IT ON Google Play

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 and emails as standard.
- ⦿ Customise all aspects of your platform to create operational dashboards and systems that work for you.
- ⦿ Integrate a range of 3rd party data feeds from the likes of Victron VRM, Efoy, Teltonika and custom.



Wiring Diagram

Recommended wiring layout
Yellow/Green can be switches

1. IY-LITE	2. 4G Antenna	3. GPS Antenna	4. Fused Power Loom
5. Yellow Wire *Fuse Loom Not Included*	6. Green Wire *Fuse Loom Not Included*	7. White Wire *Fuse Loom Not Included*	

Where *fuse loom not included* is stated, a non-fused tail is included in the box for connecting your own terminal block and fuse choice. Fused looms can be purchased in the correct colour & lengths 2.5m, 5m, 10m, 20m, 20AWG stranded tinned copper silicone jacket.