



# THE CLOUDLINK

- A.I. - Artificial Intelligence Processor
- CAN bus converter for Hubble Lithium BMS
- Cloud monitoring of batteries and select inverters
- Engineered, designed & assembled in South Africa
- Reports inverter values to the cloud for monitoring
- Smart 1Phase & 3Phase meter ready for Cloud Monitoring
- RS232, CAN bus, 3G, RS485 Modbus communication ports
- Industry grade encrypted communications & cloud reporting
- Easy install - "Plug & Play" power over RS232 for select inverters
- Embedded Protocols: Hubble Cloudlink, Victron, SMA, Pylontech
- Multiple CAN bus protocols built in for maximum inverter compatibility

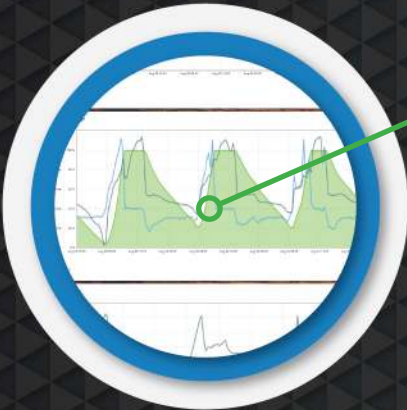


## DETAILED INSIGHTS



- Inverter operation details
- Real-time battery details
- Inverter data displaying Load, Grid & PV Watts
- Remote inverter control (selected models)

## CLEAR INFORMATIVE DESIGN



- Easy to navigate layout
- Featuring location maps & weather
- Real-time graphs & historical View
- Data export for offline analysis
- Annual & monthly power saver data

## DEDICATED ENERGY METER



- Power quality measuring
- THD% measuring
- Phase angle measuring
- Volts and Amps metering
- KWh metering

# HARDWARE

## SPECIFICATIONS

Input	Voltage		20V to 75V DC	
	Power		<2W	
Indicators	LED	Off	Flash/Pulse	On
	LED-1	No Power	-	Device Powered
	LED-2	3G Off	3G Connected to Internet	Signal ON
	LED-3	No Communications	Battery Connected	CAN Connected
	LED-4	CPU Fault	Normal	Configuration Mode
	Buzzer	-	Configuration Mode	-
Mode Button	Multi function button for: Config. mode, factory reset			

## COMPATIBILITY

Batteries	AM Series & X Series
Inverters	*Please see attached inverter compatibility list

## COMMUNICATIONS

Protocol	Standard	Physical	Build in termination	Pinouts
CAN Bus	CAN	2xRJ45	Yes	H-4, L-5, GND-2
MOD Bus	RS485	Config.	Yes	Config.
Serial	RS232	RJ11	N/A	TX-4, RX-3, GND-5, P-6

## Wi-Fi MODE

Wi-Fi Mode	Station/SoftAP/SoftAP=Station/P2P
Standards	FCC/CE/IC/TELEC/KCC/SRRC/NCC
Protocol	802.11b/g/n/e/i (802.11n up to 150 Mbps)
Security	WPA/WPA2/WPA-2-Enterprise/WPS

## BLUETOOTH

Protocols	Bluetooth V4.2 BR/EDR & BLE Specification
Radio	NZIF receiver with -98 dBm sensitivity Class-1, Class-2 & Class-3 transmitter
Dimensions	80mm x 75mm x 32mm

*\*Due to continuous product improvements specifications are subject to change without prior notice.*