DiscoverBus™ Wired Battery String DC Current Sensor

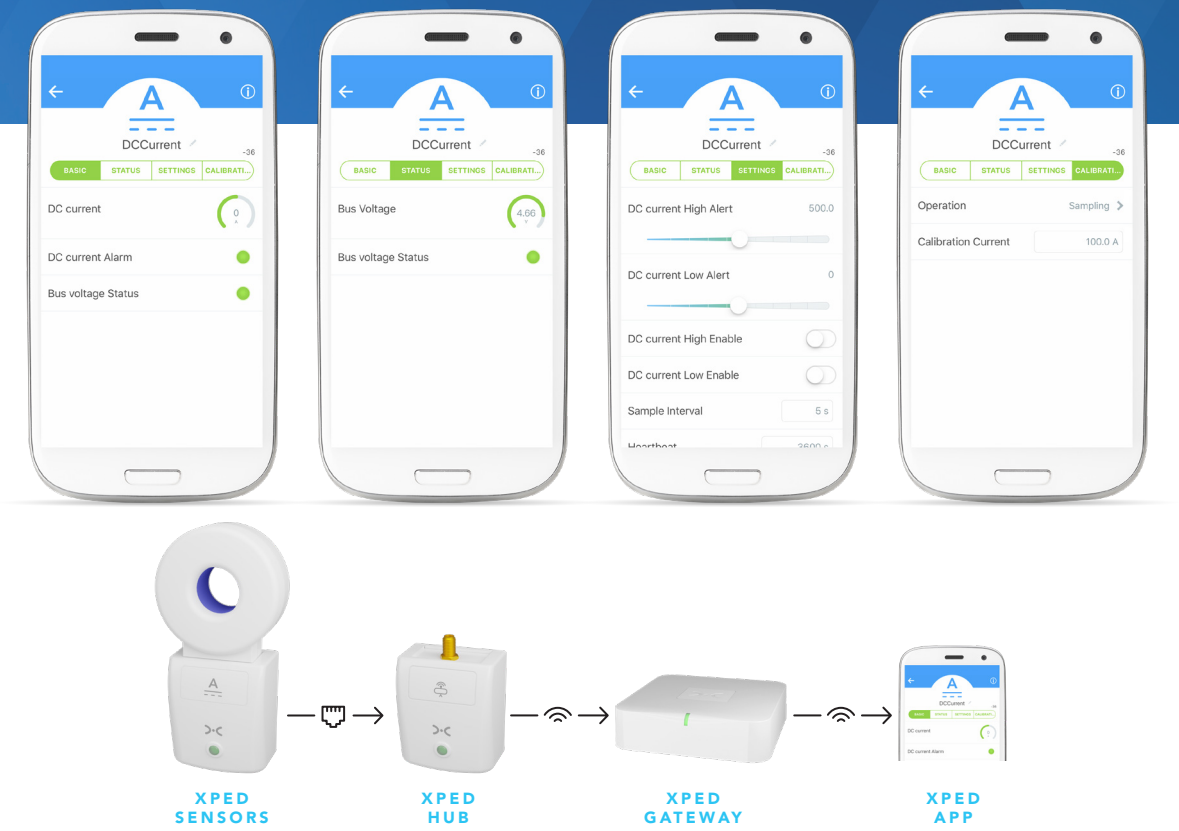
A hall effect based DC current sensor suitable for monitoring charge and discharge current in a battery backup string.

SMART BUILDING

DATA CENTRE

FACTORY PLANT

Backup battery strings are commonly used in the telecoms industry, in data centres and on remote power generation sites. Lead acid technology is still widespread in this field and maintenance, requiring battery swap out, is an expensive and time consuming procedure. This sensor will measure both charge and discharge currents and when used in conjunction with a "Battery String Voltage & NTC Temperature" sensor on each battery, it is possible to monitor the behaviour of batteries in the string while under load, reducing the risk of premature failure or explosion of batteries. Identifying these failing batteries early can be a basis for a preventative maintenance plan.



KEY FEATURES:

- > Commercial grade sensor
- > On site operation even without the Internet
- > Remote operation with the Internet
- > Fast install with DiscoverBus™ automatic onboarding to the Hub
- > Nickname support
- > Tap using NFC phone to instantly jump to the control screen
- > Automatic disconnect detect
- > LED flash locate function
- > Wired order determination
- > High and low alerts
- > Configurable sensing sample rate
- > Configurable heartbeat for periodic data
- > Threshold settings to transmit immediate changes
- > Bus voltage status checks and alerts
- > Measures both charge and discharge currents

SPECIFICATIONS:

Supply	DiscoverBus-S (5.0 V)
Onboarding	Automatic on plug in
Data Transport	DiscoverBus-S
Operating Range	(-10 to 70) °C
DC Current Range	(-100 to 600) A
DC Current Resolution	50 mA
DC Current Accuracy	200 mA
Consumption - Sleep	5 mA typical @ 25 °C
Consumption - Run	30 mA typical @ 25 °C
Dimensions	(61 x 48 x 32) mm (including standard bracket)
Region	Australia, Singapore, Malaysia, USA
Model Number	DB-DCI-214SSN

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Features and products are continuously being improved, as such specifications are subject to change without notice. Subject to stock holdings, product supply may incur standard manufacturing lead times to be quoted at time of enquiry. Products that utilise radio interfaces such as SubGHz, will be region specific and subject to availability on enquiry.