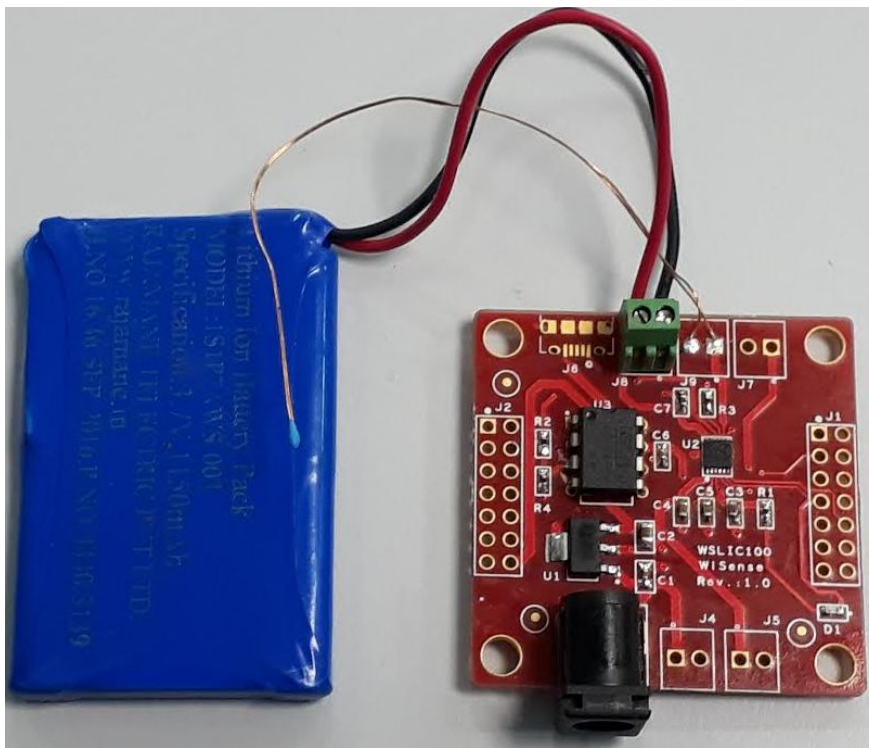


Li-Ion Power Supply Module WSLIC100 Rev 1.0



- Charge current programmable up to 200 mA. Default configuration is 200 mA.
- Onboard STNS01 lithium-ion charger IC facilitates auto switchover when external supply is lost. STNS01 charges Li-Ion battery & provides 3.1 V supply for running other components when external power supply is available. When power is lost, STNS01 sources power from the Li-Ion battery without interruption.
- Suitable for applications such as running WiSense router/sensor node from AC mains with Li-Ion battery back up.
- Includes a thermistor (Murata - NXFT15XH103) used by STNS01 to monitor the temperature of Li-Ion battery.
- PCB details
 - Layers: 2
 - Dimensions: 42mm x 42mm
 - Mounting holes: 4
 - PCB Finish: ENIG
- Connectors
 - Two pin terminal for Li-Ion battery (nominal voltage 3.7 V).
 - 2-pin screw terminal for attaching 2 wire thermistor (NXFT15XH103)
 - Pin for reporting Li-Ion battery voltage to off-board microcontroller (See figure below)
 - Micro USB type B receptacle
 - Power Jack
- Power Input:
 - Micro USB type B receptacle (supplies 5 volts to the STNS01)
 - Power Jack (Up to 16 Volts). A separate LDO on the board steps down high input voltage to 5 Volts
- Power Output:
 - 3.1 V / 100 mA generated by an LDO internal to the STNS01

