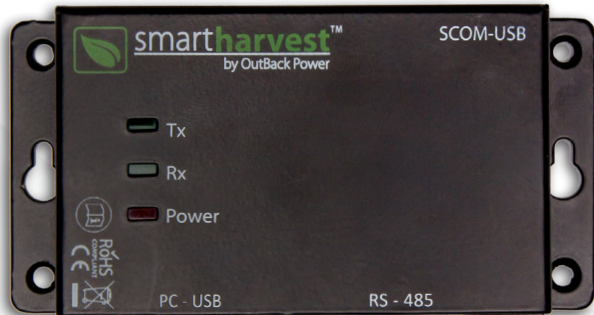




**smartharvest**<sup>™</sup>  
by OutBack Power

# SCOM-USB Communication Module

SmartHarvest by OutBack represents a line of renewable energy electronics aimed at meeting the growing global demand for value-orientated, low power-range renewable energy system components.



## Product Highlights—SCOM-USB

- Universal device to interface to any SmartHarvest™ series product
- Reliable communications with auto reconnect
- Fully isolated hardware
- No external power adapter required (uses the USB port power)
- Compatible with all versions of Windows (XP to 10)
- Distance from charge controller to SCOM can be up to 50 meters
- For easy installation: provided USB mini connector (female) for PC-connection and RJ45 connector (female) for the charge controller connection

### SmartHarvest SCOM-USB Specifications

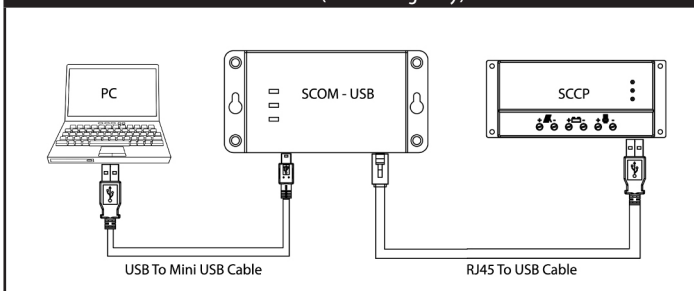
<b>Power</b>	Port-powered
<b>Operating Voltage (V)</b>	5 (from USB port)
<b>Baud Rate (RS485)</b>	<b>Typical:</b> 2400 (Can work up to 9600)
<b>Stop Bits</b>	1
<b>Data Bits</b>	8
<b>Parity</b>	None
<b>Indications</b>	<b>Red LED:</b> Power <b>Green LED:</b> RS485 data transmission and reception
<b>USB</b>	USB 2.0 compliant
<b>Interface</b>	USB mini, RJ45
<b>Current Draw (mA)</b>	72 USB
<b>Operating Temperature Range</b>	0 to 60°C
<b>Chipset</b>	FT232
<b>Operating System</b>	Compatible with Windows 10, 8, 8.1, 7, Vista, XP
<b>Dimensions H x W x D (in/mm)</b>	3.34 x 2.12 x 0.86 / 85 x 54 x 22
<b>Weight (lb/kg)</b>	0.18 / 0.08
<b>Compliance</b>	CE, ROHS, EN-6100-6-1, EN6100-6-3, IP21
<b>Warranty</b>	2 years

## Product Description

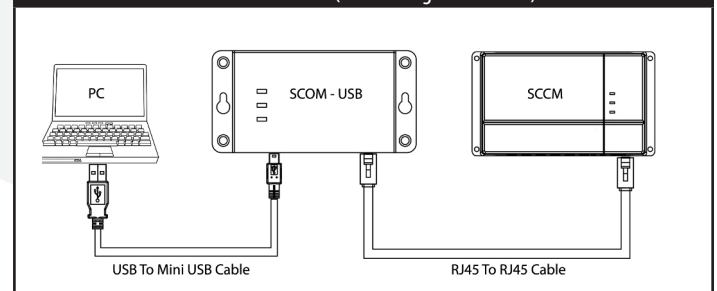
SmartHarvest's SCOM-USB is a communication module that establishes hardware interface between any SmartHarvest™ series charge controller to a Windows operating system computer (PC).

The SCOM-USB is a custom-built, isolated, 2 wire and half duplex RS-485 to USB converter with CE and ROHS compliance. It is used with PC-RMS, the front-end software, to monitor and control various parameters of the charge controller.

### Connection with PWM Controller (Monitoring Only)



### Connection with MPPT Controller (Monitoring and Control)



[www.smartharvestbyoutback.com](http://www.smartharvestbyoutback.com)

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