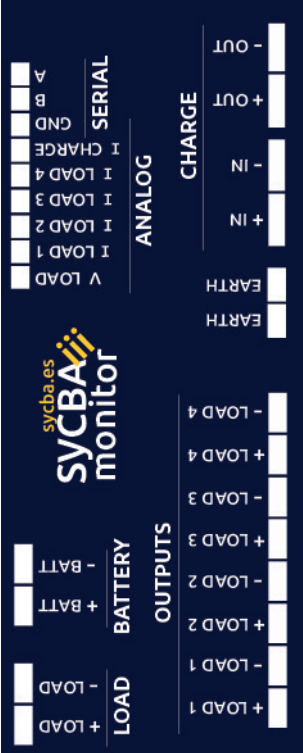






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CABLE RECOMMENDATION

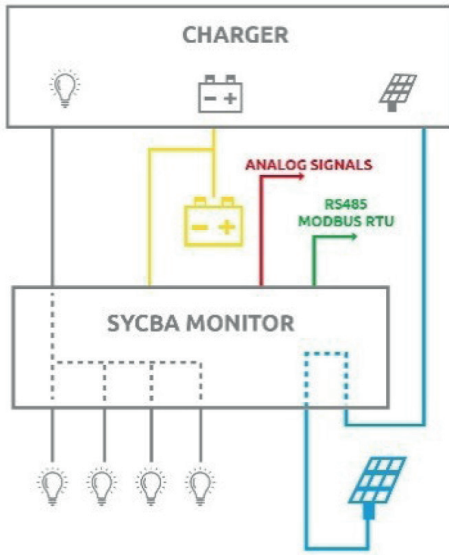
Signal cable (RS485) up to 150m: **3x0.5 mm² + shield**. For longer cable, please consult sensor manufacturer.

SENSOR WIRING TABLE

Sensor Model	Sensor Pin		Kintech Cable Colors		Orbit 360			
					Section	Terminal	Type	
	SERIAL	B		Brown	RS485	34 38 42	B	
		A		White	RS485	33 37 41	A	
		GND		Green	RS485	35 39	-	
	Shield			Yellow - Green	Power Input	⏏		
	ANALOG	V LOAD				Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal
		I LOAD 1				Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal
		I LOAD 2				Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal
		I LOAD 3				Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal
		I LOAD 4				Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal
		I CHARGE				Analog Channels	48 52 56 60 65 69 73 77 81 84 85 86 90 91 92	Signal
	GND				Analog Channels	47 51 55 59 64 68 72 76 80 87	(-)	
	+Load1				Beacon Light 1			
	-Load1				Beacon Light 2			
	+Load2				Beacon Light 3			
	-Load2				Beacon Light 4			
	+Load3				PV panels			
	-Load3				Solar charge controller (PV panel point)			
	+Load4				Batteries & Solar charge controller (BAT point)			
	-Load4				Solar charge controller (load point)			
	IN	V CHARGE + V CHARGE -			PV panels			
	OUT	V CHARGE + V CHARGE -			Solar charge controller (PV panel point)			
	BATTERY	V BATT + V BATT -			Batteries & Solar charge controller (BAT point)			
	LOAD	V LOAD + V LOAD -			Solar charge controller (load point)			

For more information please contact web@kintech-engineering.com or visit our website www.kintech-engineering.com

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Note: There are two different output data signals: RS485 (recommended) and analog. Use and connect one of them, following its wiring, according to your preferences.

REQUIRED DATA LOGGER VERSION

Minimum data logger required: **ORBIT 360 PREMIUM.**

Minimum **firmware** required: **2.16**

HOW TO CONFIGURE IN ATLAS

Start Atlas and open the data logger you are working on. Now go to *Site settings* and scroll down to the *Channels* section and select the following type and model. The variables from the digital output signal can be chosen (or assigned) to either a frequency or an analog channel on the Orbit 360 Premium according to the list here below.

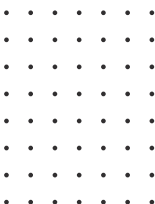
Example:

Serial bus 1 baud rate: 9600bps

Bus: Serial 1 >>> ID: A >>> Sensor model: Sycba >>> Name: SYCBA_SERIAL1_A

- Group: Analog channels
- Sensor Type: Serial device
- Sensor Model: **SYCBA_SERIAL1_A**
 - Sensor Model: **SycbaVbat**
 - Sensor Model: **Sycbalbat**
 - Sensor Model: **Sycbal Channel1**
 - Sensor Model: **Sycbal Channel2**
 - Sensor Model: **Sycbal Channel3**
 - Sensor Model: **Sycbal Channel4**

Important! Please make sure you are working with the latest version of Atlas. To check for new updates click the *Check for updates* button in the left-hand menu located in the main dashboard.



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