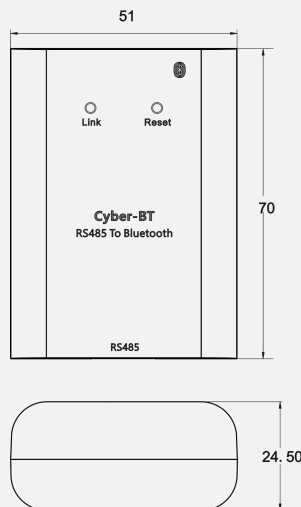


Cyber-BT



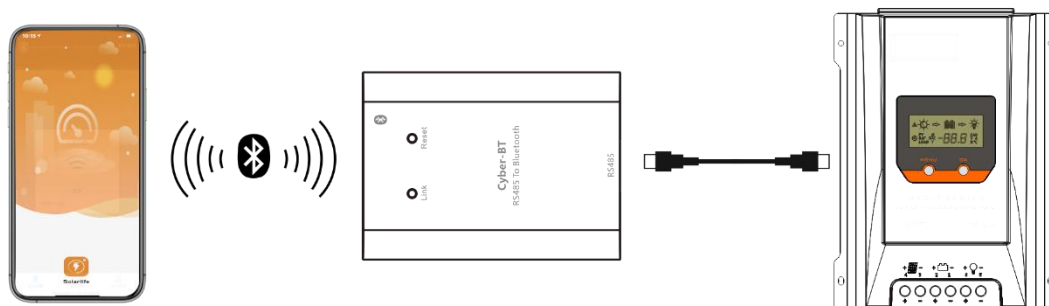
Product Introduction

Cyber-BT is a kind of serial adapter which can make our company's solar controller be with bluetooth communication function, and carry out wireless monitoring, parameter setting, and etc. for the system only by cooperating with mobile phone APP. Plug and play, simple and convenient set, it has many excellent features.

It comes with a number of outstanding features, such as:

- Realize wireless monitoring function of solar controller
- Support mobile phone APP, plug and play, simple and convenient to set
- Use high performance, ultra-low power consumption Bluetooth dedicated chip
- Adopt Bluetooth 4.0 and BLE technology
- Fast communication, strong anti-interference ability
- No need of external power supply
- Communication distance up to 10m
- Master reset adapter

System Connection Diagram



Note: Special cable is required!

Technical Parameters

	Cyber-BT
Input voltage	10~60Vdc
Standby power consumption	0.08W
Operation power consumption	0.09W
Communication distance	≤10m
Port baud rate	9600bps
RF output power	2dBm
Frequency range	2400-2483.5MHz
Modulation	GFSK
Antenna type and Gain	Integral antenna, 2db
Communication	Rs485 to BLE
Interface type	RJ11
Dimension	70*51*24.5mm
Weight	50g
Working temperature	-20~70℃
Protection degree	IP30

Cyber-USB



Unit:mm

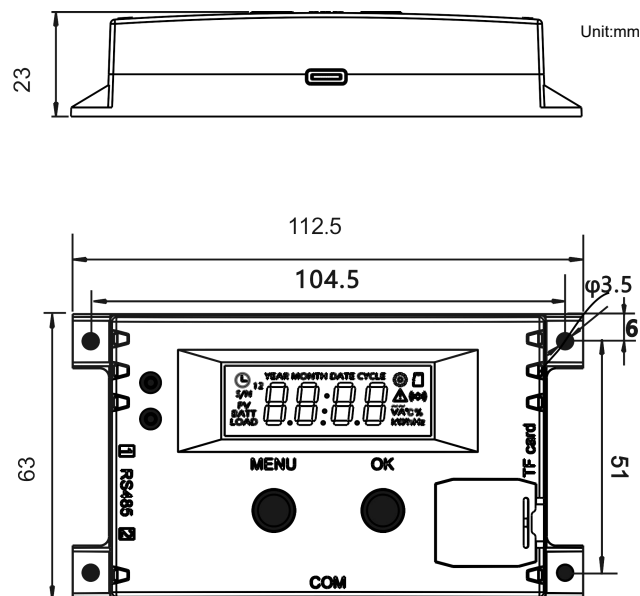


Technical Parameters

Item	Cyber-USB
One USB	5V/1.5A
Two USB	5V/2A
Input voltage	10~30V
Dimensions	62*40*23mm
Weight	33.8g

Cyber-Dlog

Data storage

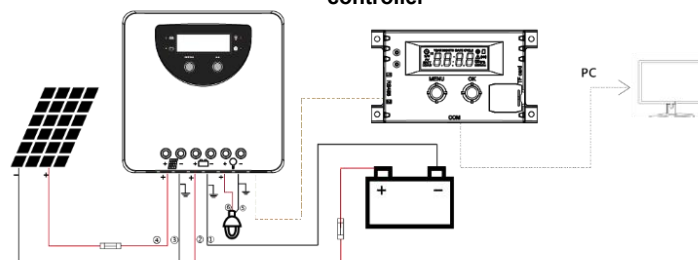


Product safety instructions

Dlog-1 is a data logging unit that can be connected to the solar charge controller to display and store the operating values. The display unit is simple in appearance and operation. The LCD screen displays system parameters and various fault alarm information in real time for monitoring the operation status of the a complete system.

- Thank you for choosing our data memory. Please read the instructions carefully before using the product.
- Please keep this product manual for future reference.
- When receiving the product, please check whether the goods are damaged during transportation. If any problem is found, please contact our company immediately.
- Please read all instructions and precautions in the manual before installation to ensure that the product can work properly.
- Do not place this product in the environment of rain, exposure, dust, vibration, corrosion and strong electromagnetic interference.
- Do not open the shell of this product for maintenance.

RS485 communication port of DLog-1 is connected to the solar controller



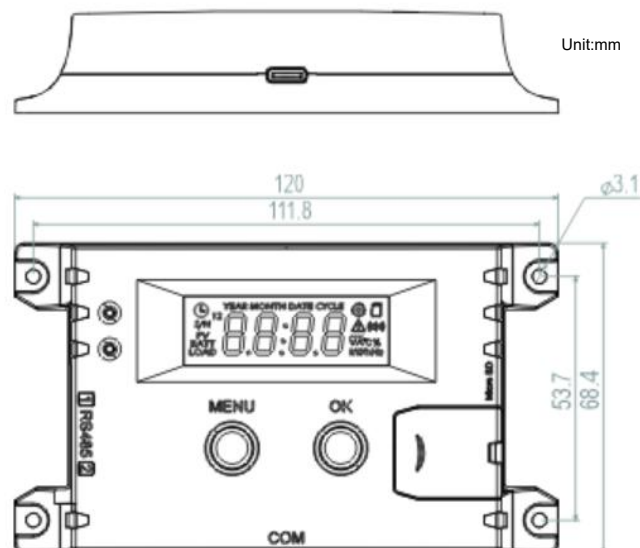
Technical Parameters

Item	Dlog-1
Applicable products	Lumiax solar controller and inverterswith RS485 port
Input	5VDC (USB) (8 ~ 65V communication interface power supply)
LCD backlight	Yes
Battery Model	CR1220,not included
Working environment	-20°C ~ +65°C
Storage environment	-20°C ~ +80°C
Dimensions	112.5*63*23mm
Net weight	93g

Warning: Do not insert or remove memory cards with power on!

Cyber-Dlog

Data storage



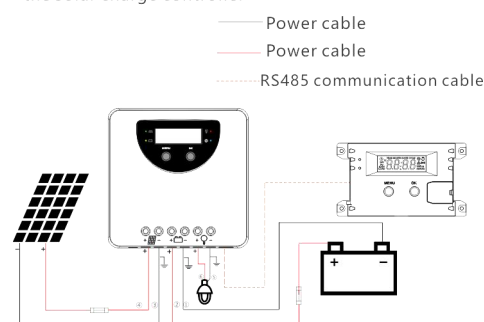
Product safety instructions

Dlog-2 is a data logging unit that can be connected to the solar charge controller to display and store the operating values.

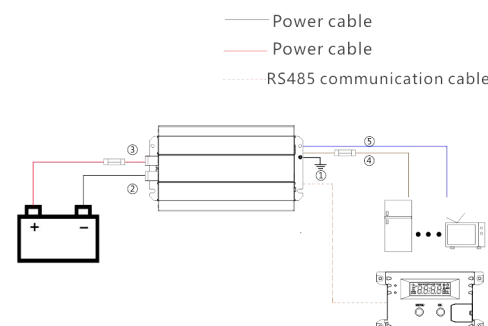
The display unit is simple in appearance and operation. The LCD screen displays system parameters and various fault alarm information in real time for monitoring the operation status of the a complete system.

- LCD screen, real-time display of the current system time, as well as PV, battery, load related parameters of the controller, and the output voltage, output power of the inverter.
- Built in 1 GB memory card/socket, which can automatically save the collected operating data of the connected controller. Memory card supports maximum expansion up to 4GB.
- Automatically read the information of the connected solar controller and store it in the memory. The logging period can be set as required.
- The ID code identifying each Dlog is unique. The data of the solar controller is saved in the CTRLDATA folder on the memory card CSV, The data of the inverter is saved in the INVDATA file on the memory card CSV.
- The first time the Data Logger is switched on, the display will automatically synchronize to the connected charge controller, considering a 12:00 hour day, being the recording time continuously updated. (The connection inverter does not have automatic timing function, and the time set by DLog shall prevail)
- Button type cell battery is installed in the Data Logger. Any possible system power failure will not affect
- Data Logger actual recording time.
- Fault code display. Can be checked by pressing the key to display any fault or alarm information.
- Design of RJ11+RJ45 Dual Communication Interface.

■ RS485 communication port of Dlog-2 is connected to the solar charge controller



■ RS485 communication port of Dlog-2 is connected to the inverter

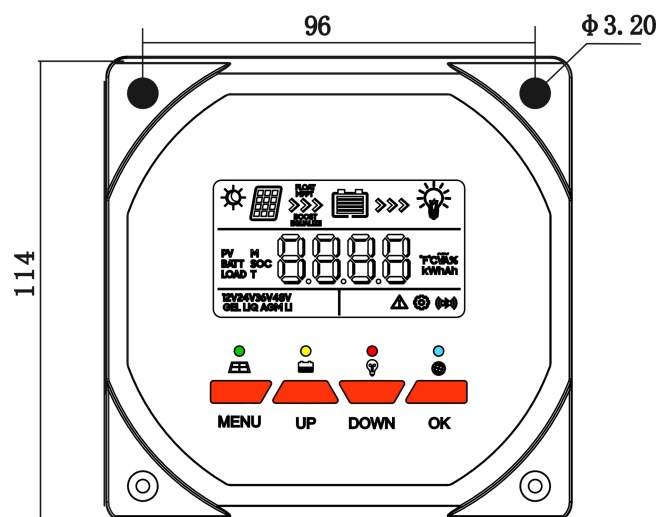


Technical Parameters

Item	Dlog-2
Applicable products	Solar controller and inverters with RS485 port
Input	5VDC(USB)、8~65V(Solar controller communication interface power supply)、5VDC(Inverter communication interface power supply)
LCD backlight	Yes
Battery Model	CR1220
Working environment	-20°C ~ +65°C
Storage environment	-20°C ~ +80°C
Dimensions	68.4*120*22.5mm
Net weight	85g

Warning: Do not insert or remove memory cards with power on!

Cyber-LCD series



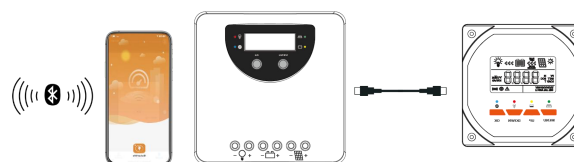
Product features

Cyber-LCD is an external liquid crystal display unit, which can be compatible with Bluetooth communication and all the controllers with 485 interface in our company.

Main features:

- Without external connection, the controller can directly supply power to the LCD display unit through the network cable
- Large screen multi-function LCD display with clear display, displaying the operation data and working status of the connected equipment in real time in digital, graphic and text forms
- With 485 communication. Can match all the controllers with 485 interface in our company
- Convenient operation, intuitive, convenient and fast operation with keys
- Connect the real-time display of equipment fault information and voice control alarm.
- Adopt Bluetooth 4.0 and BLE technology, with fast communication and strong anti-interference ability (only applicable to products with Bluetooth)
- Mobile APP is supported to view data in real time (only applicable to products with Bluetooth)

Connection diagram



Note: Special connecting line is required for connecting line!

technical parameter

Project	LCD01	LCD01-BT
Model	Products with RS485 communication function	Products with RS485 communication function
Input power	8~65V(Power supply for controller communication interface)	8~65V(Power supply for controller communication interface)
Power waste	7-14mA	10-17mA
LCD backlight	Have	Have
Bluetooth communication	Not	Have
Work environment	-20°C ~ +65°C	-20°C ~ +65°C
Storage environment	-20°C ~ +80°C	-20°C ~ +80°C
Overall dimensions	114*114*27.8mm	114*114*27.8mm
Net weight	114g	116g