

Dear user: Thanking you for selecting our products!

# PRODUCT INTRODUCTION eLOG01—Logger

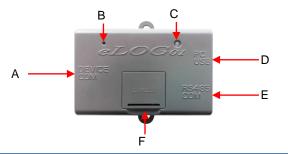
#### 1. Product Introduction

eLOG01 is a record accessory matched with controller of RS485 interface, It can record solar system working data, and also real-time monitor system status via PC software or MT50. Default record interval is every 10 minutes, with record range to 4 months.

#### Main Features:

- Record & download system data
- > Compatible with PC software & MT50 for real-time monitoring
- > Connect to PC via USB interfaces with high compatibility
- > Powered up by controller communication interface
- Record capacity: 20000 points(MAX)
- > LED Indicator design, more intuitive display

#### 2. Product Features



Item		Instruction	
Α	<b>DEVICE COM</b> interface (RJ45)	Connect the controller	
В	Reload button	Restore factory settings	
С	Working indicator	Working status	
D	PC USB interface (Micro USB)	Download and manage datas	
E	RS485 COM interface(RJ45)	Real-time monitoring	
F	CR1220 (Button cell holder)	Store the historical datas	



**NOTE:** After rebooting the controller, please adjust controller clock accurately, otherwise it will lead to eLOG01 time disordered or loss of datas.



**NOTE:** eLOG01 is not equipped with CR1220 button cell form factory.

#### 3. Reload Button

Operation	Instruction
Press the button	Indicator is flashing once, eLOG01 is normal Indicator is OFF, eLOG01 is halted
Press the button and hold on 5s	Clear the log records and restore factory settings



**NOTE:** When eLOG01 model is not match with the controller, you can press the button and hold on 5s to clear this state. However, the previous data record will be cleared ously.

#### 4. Indicator

color	Status	Instruction
Green	Flashing once	Normal
Green	On Solid	Normal
Green/Red	OFF	Fault or halt
Red	On Solid	Standby
Red	Fast Flashing(2Hz)	Inconsistent model matching (ID/SN/models)

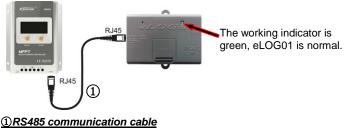
Red	Slowly Flashing(1Hz)	Not support this controller Communication interrupted Memory chip malfunction

#### 5. Applicable Models

Series	LS-B	VS-BN	Tracer-BN	Tracer-A
Communication	RS485			
Interface type	RJ45			

## 6. Function and Software Operation

#### (1)Data Recording



Model: CC-RS485-RS485-200U Function: RS485 to RS485

# Cable length: 2m (2)Log Download

Local download



Remote download(CR1220 cell is needed)



①*RS485 communication cable* Model: CC-RS485-RS485-200U Function: RS485 to RS485 Cable length: 2m

②USB communication cable Model: CC-USB-USB-150U Function: USB to USB Cable length: 1.5m

Software Installation Instructions

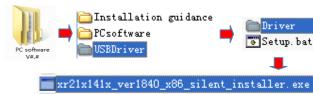
Name	Model	lcon	Functions
Log download tool <sup>®</sup>	eLOG01	eLOG01	Download and inquiry Logs
PC software <sup>®</sup>	Solar Station Monitor	CEPEVER Solar Station Monitor	Real time monitoring
Communication cable driver	mxr21x141x_ver1840_x86_silent_installer.exe		nstaller.exe

①Website: <u>http://www.epsolarpv.com/en/index.php/Technical/download</u> -----eLOG01 Download Tools.

2 Website: http://www.epsolarpv.com/en/index.php/Technical/download

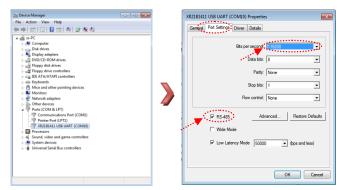
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1)Communication cable driver installation

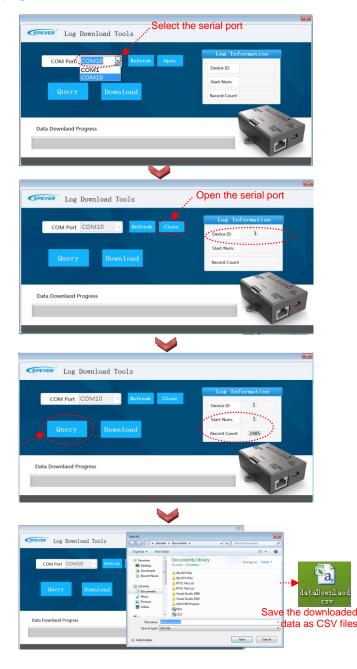


mxr21v1410\_2000\_single\_installer.EXE

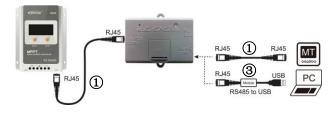
2)Set up the computer port attributes



3)Log download tool



(3)Real time monitoring



Real-time monitor the system status by the "Solar Station Monitor" software or Remote Meter.

①**RS485 communication cable** Model: CC-RS485-RS485-200U Function: RS485 to RS485 Cable length: 2m

③USB communication cable(Optional)

Model: CC-USB-RS485-150U Function: USB to RS485 Cable length: 1.5m

Station Explorer COME Ocean't exsist or not Musi	Station Hame	• Device l	ID I	nterval (s) 10	Start Boniter
	Array Information Array Current(A)	Battery Information Battery Voltage(V)	Battery Current(A)	DC Load Information Load Current(A)	Controller Information Device Temp.(C)
	Array Voltage(V)	Max Voltage(V)	Min Voltage(V)	Load Voltage(V)	La Device Status
	Array Power(W)	Battery Temp.(C)	Battery SOC(%)	Load Power(W)	Load Control
	Array Status	Charging Status	Battery Status	Loed Status	Manually On Off
	Energy Generated(kWh)	Real Time Curve		ge Real Time Curve	
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	Energy Consumed(kWh)	6			
	Daily Monthly	4			
	Annual Total	0		13:53:44	

**NOTE:** Refer to the "Solar Station Monitor" and Remote Meter MT50 user manual.

### 7. Technical Parameters

Model	eLOG01	
Input voltage	$4{\sim}10{ m VDC}$ Powered up by RS485 interface	
Average power consumption	0.3W	
Baud rate	115200	
Communication	RS485	
Interface type	2 RJ45 1 Micro USB	
Record interval	10 minutes	
Record capacity	20000 points	
Dimensions	71×67.62×25.8mm	
Mounting dimension	57.6mm	
Mounting hole size	Ф4.5	
Working temperature	-25℃~75℃	
Humidity	5-95% (N.C.)	
Enclosure	IP30	
Net weight	42g	
Warranty	2 years	

Any changes without prior notice! Version number: V1.0