

Solar Charge Controller IT-NC G3 Series Accessories List

• Included Accessories

Accessories	Model	Quantity	Picture
Charge enable terminal	2P-5.08mmTerminal + Red-20AWG-Tube-Short-circuit connection-35mm	1PC	
Dry contact terminal (oil generator)	3P-5.08mm	1PC	

• Optional Accessories

Accessories	Model	Description	Picture
Remote temperature sensor	RTS-D47K	Collecting the battery temperature data to provide temperature compensation for charging and discharging parameters, you can purchase the optional RS485 communication cable (CC-RJ45-RJ45-120), the length is 1.2 meters, or you can purchase the communication cable yourself as needed. Note: If the remote temperature sensor is not connected to the controller or damaged, the controller will charge or discharge the battery at 25°C by default (no temperature compensation).	
Remote meter	MT53	Displaying various operating data and faults of the system on a backlight LCD screen. It is easy to operate and read with buttons and digital display.	
USB to RS485 communication cable	CC-USB-RS485-150U-B	Used for connecting the controller's COM port (RJ45) to the PC's USB port. The standard cable length is 1.5 meters (can also be customized according to user's needs). You can monitor the controller in real time or upgrade its firmware by the PC software.	
WiFi 2.4G adapter	EPEVER WiFi 2.4G RJ45 D	By connecting the WiFi 2.4G adapter to the controller's COM port (RJ45), the controller's operating status and related parameters can be monitored by the mobile APP.	
Bluetooth adapter	EPEVER BLE RJ45 D	By connecting the Bluetooth adapter to the controller's COM port (RJ45), the controller's operating status and related parameters can be monitored by the mobile APP.	
Logger	eLOG01-S-G3	For connecting the controller to a data logger or PC via RS485 communication cable to record operational data or enable real-time monitoring. Only supports data recording from a single controller.	
	eLOG01-M-G3	For connecting the controller to a data logger or PC via RS485 communication cable to record operational data or enable real-time monitoring. Supports simultaneous data recording for up to 8 controllers.	
Serial device server	EPEVER TCP 306	Used together with the included RJ45 cable of the serial device server. By connecting the serial device server to the controller's COM port (RJ45), you can monitor the controller operating status or set the relevant parameters remotely via mobile APP or PC webpage.	
Wireless remote terminal unit	EPEVER RTU 4G HE01	By connecting the EPEVER RTU 4G HE01 to the controller's COM port (RJ45) to add the controller into EPEVER cloud server for remote, wireless and networked communication.	
BMS protocol converter	BMS-Link	By connecting the BMS-Link to the controller and lithium battery and setting the BMS protocols via controller's LCD or PC software, the BMS protocols of different lithium battery manufacturers can be converted into our standard protocols to improve the flexibility of the system application.	

RS485 communication cable, parallel communication cable	CC-RJ45-RJ45-120	Used for connecting the controller with BMS-Link, or the parallel communication for multiple controllers, and connecting the controller with the remote temperature sensor.	
RS485 to RS485-BMS communication cable	CC-RJ45(3, 6)-RJ45(7, 8)-150	Used for communication connection between the controller, the EPEVER lithium battery and the PYLON battery. The communication cable end labeled as "BMS" is connected to the communication port of the lithium battery, while the communication cable end labeled as "Device" is connected to the BMS communication port of the controllers.	
CAN communication terminal resistor	RJ45(4-5)-CAN-R120	When multiple controllers are connected in parallel, the terminal resistors should be installed on the parallel communication port of first and last controllers.	
50A white terminal cover	IT5420NC G3-ZSPJ2-Cover	The white terminal cover is used for increasing the controller IP rating. The protection level of controller is IP32. By adding the white terminal cover, the protection level is up to IP43. Note: The 50A white terminal cover is applicable to IT5420NC G3, IT5210NC G3 and ET5420NC G3.	
75A white terminal cover	IT7420NC G3-ZSPJ2-Cover	The white terminal cover is used for increasing the controller IP rating. The protection level of controller is IP32. By adding the white terminal cover, the protection level is up to IP43. Note: The 75A white terminal cover is applicable to IT6415NC G3, IT6415NC G3 BLE, IT6420NC G3, IT7415NC G3, IT7420NC G3 and ET7420NC G3.	
100A white terminal cover	IT10420NC G3-ZSPJ3-Cover	The white terminal cover is used for increasing the controller IP rating. The protection level of controller is IP32. By adding the white terminal cover, the protection level is up to IP43. Note: The 100A white terminal cover is applicable to IT8420NC G3, IT10415NC G3, IT10415NC G3 BLE, IT10420NC G3 and ET10420NC G3.	

NOTICE

- The controller comes with the included accessories, which have been installed on the corresponding ports of the controller. You need to open the controller upper cover to view the accessories.
- Do not connect the terminals of the same model to different ports of the controller. Otherwise, the controller will be damaged.
- For the detailed settings of each optional accessory, please refer to the user manuals of the optional accessories.
- When connecting the optional accessories above to the communication port, you can only connect them to the communication port with silkscreen of "COM".

Any changes without prior notice! Version number: V1.1