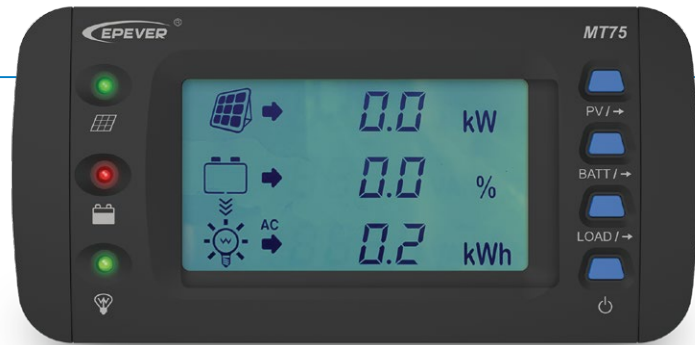


## Overview

The MT75 is a new generation of remote meter that can monitor the EPEVER solar charge controllers' and inverters' working status simultaneously, and provide users with accurate and comprehensive data analysis, and real-time fault alarm, to ensure the whole systems run more stably and reliably.



## Features

- Dual RJ45 communication ports design
- Real-time display of fault alarms
- Locally reading of real-time parameters
- Easy to install and operate
- ON/OFF button to control the load DC/AC output
- Remote control inverter ON/OFF via the dry contact and enable switch

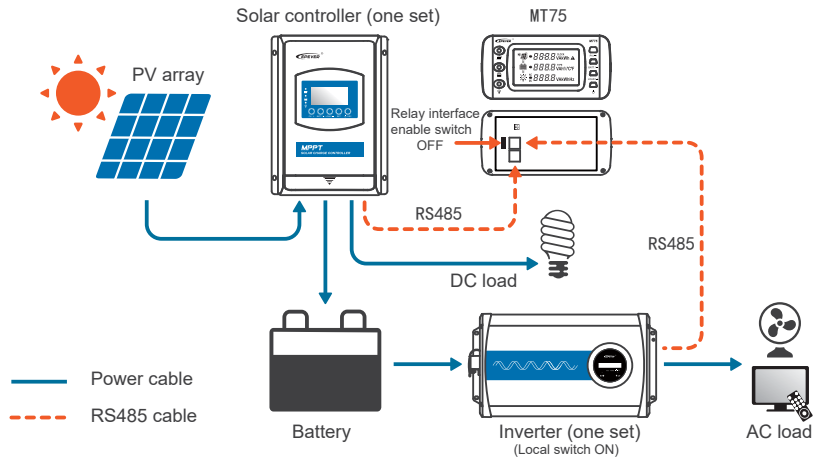
Model		MT75
Compatible products	Controller	XTRA-N series/TRIRON series/ Tracer-AN series/Tracer-BN series Note: Required cables for the above products are shipped with MT75.
		iTracer-AD series/iTracer-ND series Note: Required cables for the above products need additional purchase.
	Inverter	IPower series(1kw or above, suitable for application 1/3)/IPower-Plus series/ NPower series/SHI series
Input power	5VDC(Power supply by the connected controller or inverter)	
LCD visual angle	12' clock	
LCD backlight	Yes	
Installation methods	Wall installation Surface mounting installation	
Self-consumption	14mA/5V(no backlight) 26mA/5V(backlight)	
Max. power consumption	100mA/5V(Backligh+dry contact)	
Working temperature	-20℃ ~ +65℃	
Storage temperature	-20℃ ~ +80℃	
Dimension	193×95×48mm (base) 193×95×23mm (no base)	
Mounting size	175×50mm(base) 176mm(no base)	
Mounting hole size	Φ 5mm(base) Φ4.3mm(no base)	
Net Weight	0.29Kg(base) 0.22Kg(no base)	

## 1. Standard Application

### 1) Advantages

MT75 monitors the operational status and error codes of the solar controller and inverter at the same time. The load ON/OFF button controls the inverter start or stop, which can effectively reduce the loss of the inverter and extend the lifetime of the system.

### 2) Connection Diagram

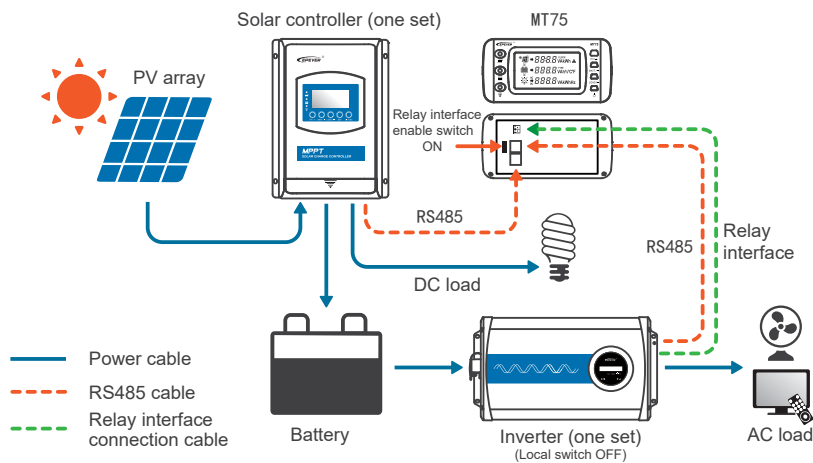


## 2. Upgrade Application

### 1) Advantages

MT75 monitors the operational status and error codes of the solar controller and inverter at the same time. The load ON/OFF button controls the inverter start or stop, which can effectively reduce the loss of the inverter and extend the lifetime of the system.

### 2) Connection Diagram

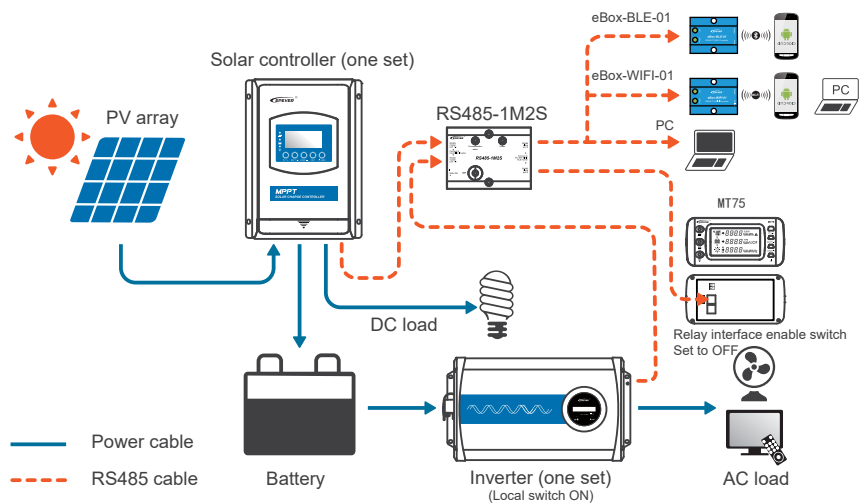


### 3. Advanced Application

#### 1) Advantages

With the RS485-1M2S module, the MT75 not only can monitor the operational status of the solar controller and inverter, but it also can connect with external WIFI, Bluetooth module, or PC. The parameter settings and operational status monitoring can be collected by phone APP or PC software. MT75 can also control the output of AC and DC loads by one button in this application.

#### 2) Connection Diagram



### 4.Pro. Application

#### 1) Advantages

With the RS485-1M2S module, the MT75 not only can monitor the operational status of the solar controller and inverter, but it also can connect with external WIFI, Bluetooth module, or PC. The parameter settings and operational status monitoring can be collected by phone APP or PC software. MT75 can also remotely control the inverter start or stop, which effectively prolongs the system's lifetime.

#### 2) Connection Diagram

