UTICA

UTICA high power solar charge controller is designed for solar off-grid power system, which requires large power of solar charging and DC loading, like for new energy power station of remote area, where electricity is inadequate. LCD display for solar charging & battery loading status and easy screw connector design.

Voltage: 12/24/36/48V Current: 30A

Voltage: 12/24/36/48V Current: 45A

Voltage: 12/24/36/48V Current: 60A

Main Features

1. US made electronic components and chips for better function performance in extreme environment
2. LCD display for working status
3. MOS based control unit along with the latest PWM charging method increases the solar charging efficiency

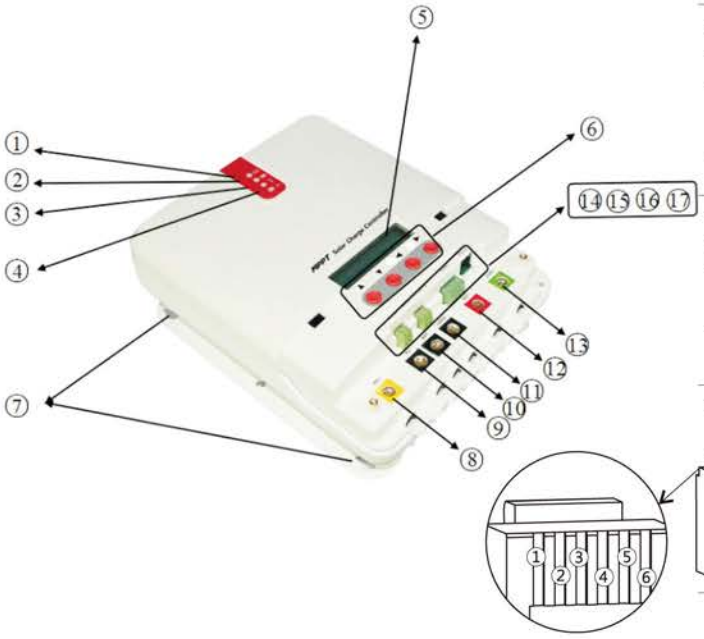
Item	UTICA 4830	UTICA4845	UTICA4860
System voltage	12V/24V/36V/48V	12V/24V/36V/48V	12V/24V/36V/48V
System current	30A	45A	60A
No-load loss	< 12mA	< 12mA	<25mA
Working temperature	-35℃to +85℃	-35℃to +85℃	-35℃to +85℃
Control method	Charging: PWM	Charging: PWM	Charging: PWM
Weight	0.9Kg/45A	1.08Kg/45A	1.32Kg/60A
Dimension	180.7*115*72(mm)	180.7*142*72(mm)	180.7*170*72(mm)

UTICA Series MPPT Solar Charge Controller

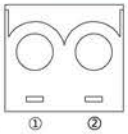
UTICA 4830

Voltage: 12V/24V/36V/48V
Current: 30A

UTICA 4830 is our latest MPPT solar charge controller with new appearance design. Different from other kinds of 30A MPPT controller, this new model supports all 12/24/36/48V batteries, more durable and more beautiful. Inbuilt LCD display and RS232/RS485 communication makes it flexible while operation.

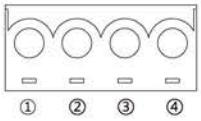


15 Battery Sampling



ITEM	DEFINITION
①	-
②	+

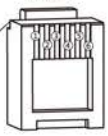
16 RS485



ITEM	DEFINITION
①	3.3V
②	GND
③	D-
④	D+

17 Controller Communication Port RJ12 (6 Pins)

RS232



ITEM	DEFINITION
①	Transmit Terminal TX
②	Receive Terminal RX
③	Power Source GND / Signal GND
④	Power Source GND / Singal GND
⑤	Power Source +
⑥	Power Source +

Solar Charge Controller Appearance and Interface

No.	Name	No.	Name
1	Charging Indicator	10	Battery "-" Interface
2	Battery Indicator	11	Load "-" Interface
3	Load Indicator	12	Battery "+" Interface
4	Abnormality Indicator	13	Load "+" Interface
5	Liquid Crystal Display	14	External Temperature Sampling Interface
6	Operation Button	15	External Battery Voltage Sampling Interface
7	Mounting Hole	16	RS485 Communication Interface
8	Solar Panel "+" Interface	17	RS232 Communication Interface
9	Solar Panel "-" Interface		