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Daniel Carlos Reyes Reyes 0%(1)0% found this document useful (1 vote)1K views1 page, active PowMr MPPT SERIES MPPT SOLAR CHARGE CONTROLLER FOR MODEL MPPT series: MPPT-30A, MPPT-40A, MPPT-50A, MPPT-60A Reminder: The controllers can be installed indoor only. Main Features 30A/40A/50A/60A MPPT solar charge controller MPPT technology Built-in DSP controller with high performance Automatic battery voltage detection for 12V/24V/36V/48V 3-stage charging optimizes battery performance Overcharge protection, Input PV polarity reverse protection, Output limited current protection, Over-temperature protection Suitable for battery types such as sealed lead acid, vented gel and lithium battery, etc Easy to be mounted Warning and Caution Be aware that only qualified professionals could install these controllers. Please read all manuals before installing them. 1) Keep controller away from water. Don't use wet towel to wipe controller. 2) Keep controller in an environmental temperature from -22°C~+55°C. Avoid direct sunlight. 3) Keep good heat dissipation. 4) Use the pure copper wires and connect all polarity correctly. 5) The load output is only for DC load less 5A current. 6) Please don't set any parameters if you are not professional since the controller can work fine in default condition except lithium battery. PV Module Requirement Models: MPPT-30A, MPPT-40A, MPPT-50A, MPPT-60A MPPT-30A MPPT-40A MPPT-50A MPPT-60A Maximum PV Array Power For 12V Battery 400W 480W 600W 720W For 24V Battery 720W 960W 1200W 1440W For 36V Battery 1000W 1400W 1800W 2100W For 48V Battery 1200W 1700W 2200W 2800W PV Array Open Circuit Voltage For 12V Battery DC20V~DC80V (Voc) For 24V Battery DC37V~DC105V @Operating Voltage For 36V Battery DC50V~DC160V For 48V Battery DC72V~DC160V Notes: Voc is 1.5 or 2 times than battery voltage, then it's best efficiency. Please choose the PV modules with right Voc. Air Circuit Breaker and Wires Requirement Models MPPT-30A MPPT-40A MPPT-50A MPPT-60A Copper wires 6mm² 6mm² 6mm²x2PCS 6mm²x2PCS Air circuit breakers 63A 63A 63A 100A Reminder For MPPT-30A and MPPT-40A, you can connect one wire to one PV+ and another wire to one PV-. For MPPT-50A and MPPT-60A, it's better to connect two wires to two PV+ and another two wires to two PV-. For BAT+ and BAT-, it's same way to connect wires. Installation steps 1. The battery voltage should be more than 12V, then the controller can boot up. Install air circuit breaker between controller and batteries. Turn off the circuit breaker, then connect batteries to controller with correct polarity. 2. Install air circuit breaker between controller and PV modules. Turn off the circuit breaker, and ensure the PV polarity correct, then connect wires between PV modules and controller. 3. Turn on the air circuit breaker between controller and batteries. 4. Turn on the air circuit breaker between controller and PV modules. 5. The controller goes into the self-test mode. Its LCD displays the parameters if all is correct. And RUN lamp (under the fan inside of casing) will flash every one second. If the controller is no response, please read full manual again for reinstalling or contact us for help. MPPT SOLAR CHARGE CONTROLLER Circuit breaker Circuit breaker PV DC Load Battery LCD display Item Description 1 PV voltage / Output power 2 Battery voltage / Charging current 3 Working mode / Temperature 4 Protection mode Working mode 3.0 Night mode, no charging 4.0 MPPT mode 7.0 Absorption mode 8.0 Floating mode Troubleshooting Code Description How to solve 18 Input PV voltage is low Increase the PV voltage 60 Over-temperature protection Fan will work and temperature reduction automatically 63 Battery voltage is high Battery high voltage protection and wait for recovery 65 Battery voltage is low Battery over-discharge and wait for recovery 71 Input PV voltage is high Decrease the PV voltage 73 Over-charging current Decrease the PV power Basic Parameter Models MPPT-30A MPPT-40A MPPT-50A MPPT-60A Charging mode 3-stage: constant current(MPPT), constant voltage, floating Battery voltage automatic recognition: 12V Battery DC9V~DC15V Battery voltage automatic recognition: 24V Battery DC18V~DC29V Battery voltage automatic recognition: 36V Battery DC30V~DC39V Battery voltage automatic recognition: 48V Battery DC40V~DC60V Overcharging protection voltage 15V 30V 45V 60V Limited current protection 31A 42A 51A 61A Max efficiency ≥98.1% PV utilization ≥99% Protection function Temperature protection 75°C Fan-on temperature >45°C Fan-off temperature Welcome to buy 60 amp MPPT Solar Charge Controller. A 60 amp controller from PowMr can handle 12 & 24 volts. The 60A mppt solar charge controller from PowMr will allow you to charge 12 and 24-volt battery banks at 60 amps per hour. The 60amp mppt solar charge controller sold by the company is the best price out there, shipped factory direct yo. A typical solar panel pulls solar energy into the panel and sends charging current through the 60A charge controller, which then outputs 12 or 24 volts of charging current. Brand: PowMr Product Name: HHJ-60A 48V solar charge controller 100% mppt solar charge controllers Intelligent, Max efficiency ≥98.1%, PV utilization ≥99% Built-in DSP controller with high-performance automatic battery voltage detection 12V/24V/36V/48V Battery options: Lithium, Lifepo4, Li(NiCoMn)O2), Vented, Flooded, Sealed, Gel, NiCd battery. Dynamic large icon display PV and Battery status, working mode: Night mode, no charging, MPPT mode, Absorption mode, Floating mode, and troubleshooting prompts. TROUBLESHOOTING function and LCD display can help users not only check the whole system operating data and statuses but also quickly identify system faults and modify parameters. Backlight LCD Display PV voltage/output power/Battery voltage/charging current/working mode/Temperature User programmable for absorption voltage/Floating voltage/Low voltage disconnect/Load Timer. Real-time energy recording. Intelligence Fan-on temperature >45°C and off < 40°C. Porous heat dissipation and fan use BEARING technologies increase life UP TO 5000hrs in normal use. Large four big buttons, easy to use, more conveniently. HHJ-60A solar charge regulator Warming tips: Make sure the Voc of PV meets the requirement right. VOC is 1.5 times Battery voltage will be the best efficiency. 60amp mppt solar charge controller Feature: Charging 3-stage: constant current(mppt charger), constant voltage(Absorption Voltage), floating charge Selectable battery type Vented / Sealed / Gel / NiCd / Lithium battery (default is Sealed) (defined voltage for other battery by user) Soft start time ≤1S. Dynamic response and recovery time 100us Max efficiency ≥98.1%. PV utilization ≥99% In order to reduce the cost of electricity caused by high current, PV and battery each have two terminals MULTIPLE ELECTRONIC PROTECTIONS Short-circuiting Reverse-current Overcharging protection Overload protection Over-discharging protection Reverse polarity protection Tips: Always connect the battery first!!! Make sure enough batteries' voltage lets the controller recognize the right system voltage. DO NOT connect any Inverter/ wind/ Alternator or Charger into the charge controller! connect the Inverter directly to the battery Ensures solar input voltage higher than 3V or more than batteries' voltage and total input power in the range. if the input power is too low for max input power, it may appear to have been discontinued., the charging current almost is zero when the controller is floating charge. Parameter Setting Rules: Floating voltage > Low voltage reconnect > Low voltage discharge. The solar charge controller will stop output when the battery is under 10.7V. The LCD will be blank when the battery is under 8V and it will re-output when the battery is up to 12.6V (adjustable). Install the Charger controller to the battery as close as possible. Tighten the wire. When the controller makes a buzzing sound It's working hard to dissipate heat for your controller. Rest your heart, it will be stopped when the temperature returns to normal. Remove all the debris around the controller (leaving a space of approx. 5.91in). 60amp mppt solar charge controller Input specification: 12V system: DC20V~ DC30V24V system: DC37V~DC105V 36V system: DC50V~DC160V48V system: DC72V~DC160V The maximum PV input voltage (Voc): DC190V(The controller can't work at this voltage of long duration that will break the controller. Please refer to the Input voltage from PV.) The maximum PV input power (The total power rated of PV can't be over this watt that will break the controller.) 12V system (720W) ; 24V system (1440W) ; 36V system (2100W); 48V system (2800W) 60 amp mppt charge controller ; Output specification Overcharging protection voltage: 12V system (15V); 24V system (30V); 36V system (45V); 48V system (60V); Package including: 1*60amp MPPT Solar Charge Controller1*English Manual 12v solar charge controller Models MPPT-30A MPPT-40A MPPT-50A MPPT-60A Charging Model 3-stage: Constant Current(MPPT), Constant Voltage, Floating MAX PV Input Power 12V System 360W 480W 600W 720W 24V System 720W 960W 1200W 1440W 36V System 1080W 1400W 1800W 2100W 48V System 1440W 1700W 2200W 2800W Input Specification DC 12V System DC 20V-80V 20V-80V 20V-80V 20V-80V 24V System DC 37V-105V 37V-105V 37V-105V 37V-105V 36V System DC 50V-160V 50V-160V 50V-160V 50V-160V 48V System DC 72V-160V 72V-160V 72V-160V Battery Voltage Automatic Recognition: 12V Battery DC 9V - DC 15V Battery Voltage Automatic Recognition: 24V Battery DC 18V - DC 29V Battery Voltage Automatic Recognition: 36V Battery DC 30V - DC 39V Battery Voltage Automatic Recognition: 48V Battery DC 40V - DC 60V Overcharging Protection Voltage 15V 30V 45V 60V Limited Current Protection 31A 42A 51A 61A Max Efficiency ≥98.1% PV Utilization ≥99% Protection Function Temperature Protection 75°C Fan-On Temperature >45°C Fan-Off Temperature <40°C Properties Size(mm) 214×115×50 Net Weight(Kg) 1.1 Gross Weight(Kg) 1.2 Electromagnetic Compatibility Accord To EN61000, EN55022, EN55024 Enclosure IP21 Environmental temperature -20°C~+55°C Storage Temperature -40°C~+75°C PowMr MPPT User Manual 0620 (HHJ-60A_0620-2).pdf, 532 Kb [Download] mppt solar charge controller Cara Setting MPPT PowMr agar dapat watt peak secara detail dan step by step. Your rivals that rank higher than you in the Google top 10 for some of your target keywords are using video content. Try to embed a video on your page. 0630 MPPT контролера PowMR 60A Поруна поціаловка с мнш контролером, паснаковна в ођор. Unboxing dan Mudah setting SCC MPPT PowMr 60A Unboxing, juga mudah setting SCC MPPT PowMr 60A step by step. Ada banyak SCC yang dijual dengan harga bervariasi dan saya pilih PowMr 60A karena ekonomis dan sudah banyak yang menggunakannya juga. Question: Does this unit have protection from power being input from alternate source on the output from this solar charge controller? Answer: This Controller MULTIPLE ELECTRONIC PROTECTIONS:Short-circuiting,Reverse current,Overcharging,Overload,Over-discharging,Reverse polarity protection Question: Could i use 110v battery charger on battery with battery connected to charge controller? Answer: Hi dear customer,Best not to use at the same time Question: Is this unit wifi compatible? Answer: Hi dear customer, sorry, this controller is not wifi compatible. Question: If batteries wired 12v, does that mean pure sine wave inverter will accept 720watts from this charge controller? And if batteries are 24v, then 1440w? Answer: Hi dear customer,The inverter will not receive power from the solar panel, and the controller will supply power to the battery. Most of this power enters the battery and will not be directly supplied to the inverter. Question: Can you charge AGM battery with it? Answer: Hi dear customer, yes, this controller can charge AGM battery. Question: with this, i can charge 12.8V lifepo4 with 57V solar panels? panels batteries don't have to match voltage, correct? Answer: YES. Question: Can this product be used to charge LiFePo4 Answer: YES. Question: Can the overcharge protection voltage be customized? For example, can the overcharge protection voltage for a 12V system be made lower than 15V? Answer: Hi dear customer, is not possible because this parameter is the default. But our controller is connected to a 12V battery, the overcharge protection voltage is lower than 15V 06/07/2022, 16:51 Comment Excellent quality! Fast Delivery (two weeks). Seller Thank you! Recommend!!! 05/31/2022, 10:46 Comment Very well packed, working as the description! 05/27/2022, 06:52 Advantages Please i would like to know if the 12v battery was lower than 8 volts and the led started flashing at night , is it okay ? And if the battery was connected but screen was off, its okay if the solar panel is connected ? Comment Administrator reply Hello, our service will contact u soon. 05/24/2022, 16:54 Comment Are you sending PowMr 60A MPPT Solar Charge Controller HHJ-60A to Slovenia from Germany? Administrator reply Hello, our service will contact u soon. 05/20/2022, 10:19 Comment I have 2 controllers but one is showing a different battery voltage and the battery voltage at the terminal is not what the screen is saying also in 24v mode what is the max voltage output? my inverter has been shutting down due to overvoltage at 30.5v Administrator reply Hello, our service will contact u soon. 05/19/2022, 10:02 Comment whats the best way to turn off a charge controller? Administrator reply Hello, our service will contact u soon. 05/13/2022, 10:03 Comment i bought the PowMr MPPT which says it can charge 36V battery with autodetection but it doesnt seem to detect at 36V Administrator reply Hello, our service will contact u soon. 05/13/2022, 09:49 Comment im looking to get the 60A mppt solar charge controller but my open circuit voltage is just over will it stil work Administrator reply Hello, our service will contact u soon. 05/09/2022, 10:42 Comment I have the PowMr 60A MPPT Solar Charge Controller HHJ-60A... I am looking for a way to download the manual. Administrator reply Hello, our service will contact u soon. 05/06/2022, 10:37 Advantages Disadvantages Comment I wish someone from the service team would contact me about a faulty unit Administrator reply In this case, it is suggested that you may ask for help from the platform you purchased the item, it may respond you more quickly. Please rest assured, it is also belongs to PowMr company, they will also provide corresponding after-sales service. 05/04/2022, 10:31 Comment I have one of your PowMr Solar Charge Controllers which I understood to be a 60amp one.I am confused by the manual however, which says "30A/40A/50A/60A". Can you please explain. Administrator reply Hello, our service will contact u soon. 05/04/2022, 10:22 Comment Hi, Good day, I have a powmr charge controller and I love the way it functions. I just wanna know the meaning of "18" on the fault sub-face. Administrator reply Hello, our service will contact u soon. 05/03/2022, 10:06 Comment How many time this product deliver in india Administrator reply around 10 working days 05/03/2022, 10:01 Comment we are keen to order Gel batteries from you let us know how to proceed Administrator reply Our service will contact u soon. 04/26/2022, 10:04 Comment Hi What does it mean by saying No Lithium Batteries Activation Administrator reply Our service will contact u soon. 04/25/2022, 10:23 Comment I have 2 panel 250w each 37 volt can i use it with this controller on a 12 x 200 amp tubular battery Administrator reply Our service will contact u soon. 04/20/2022, 09:50 Comment PowMr 60A MPPT Solar Charge Controller HHJ-60A Euro how much in euros Administrator reply Our service will contact u soon. 04/18/2022, 09:52 Comment Hello, i have a HHJ-60A charger. Which parameter d04 must i chose for LiFePo4 Battery ? Administrator reply Our service will contact u soon. 04/13/2022, 10:02 Comment I have buy scc powmr 60a, when pv 110vdc, indikator fault powmr 71 (is to high pv), why its happen? In spec max pv 190 vdc. Administrator reply Our service will contact u soon. 04/12/2022, 10:05 Comment What are the parameters for 12v battery if you have 2 in series? d1 = d2= d3? Administrator reply Our service will contact u soon. Note Air circuit breaker and wires requirement copper wires: 9AWG / air circuit: 100A Notes: The output terminal is for lamp only (12V system less 60W, 24V/36V/48V system less 100W), and it will be burnt if connecting to other loads. The output for battery is no polarity reverse protection. 1*60a MPPT solar charge controller 1*User manuel 4* Mountings System voltage: 48V 36V 24V 12V Auto Recognition Battery System Voltage: DC9V~DC15V (12V) / DC18V~DC30V (24V) / DC32V~DC40V (36 V) / DC42V~DC60V (48V) Overcharging protection voltage 60V Limited current protection 61A Max efficiency ≥ 98.1% PV utilization ≥ 99% Protection function Temperature protection 75°C Fan on temperature >45°C fan off temperature <40°C Electromagnetic compatibility Accord to EN61000,EN55022,EN55024 Enclosure IP21 Environmental temperature -20°C~+55°C Storage temperature -40°C~+75°C Size 21.4*11.5*5 cm the maximum PV input power (The total power rated of PV can't be over this watt that will break the controller),12V system (720W) ; 24V system (1440W); 36V system (2100W) / 48V system (2800W); Overcharging protection voltage: 12V system (15V) / 24V system (30V); 36V system (45V) / 48V system (60V); Intelligence Fan-on temperature >45°C and off < 40°C, let your controller feel cooling. It is better to connect two wires to two PV+ and another two wires to two PV-. it's same way to connect battery BAT+ and BAT- wires.(you can use Y connector) The Three copper coils play a step-down roles to make your system work more stable. High quality components, perfecting system performance, with maximum conversion efficiency of 98% Three Electronic transformer, more safe 1.The maximum PV input voltage (Voc): DC160V (The controller can't work at this voltage of long duration that will break controller. Please refer to Input voltage from PV.) 2.The output terminal is for lamp only (12V system less 60W, 24V/36V/48V system less 100W), and it will be burnt if connecting to other loads. The output for battery is no polarity reverse protection. 3.Always connect battery first!!!! Make sure enough batteries' voltage let controller recognize the right system voltage. The disassembly sequence is contrary to the wiring order. 4.DO NOT connect any Inverter/ wind/ Alternator or Charger to controller, please connect the Inverter to battery side. 5.Ensures solar input voltage higher 3V or more than batteries' voltage and total input power donot exceed the max. , the charging current almost be zero when controller is floating charge.

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