

/ Specifically designed for RV

- Can be connected to both PV and alternator
- Can charge both the leisure battery and the starter battery

/ User-Friendly

- Fasy to install and simple to use
- Natural cooling, absolutely guiet

/ Safety

· 360 degrees of security from hardware to software

/ All-in-One

- A charging mode, he your reliable nower steward
- Helps you save space and wire

/ Efficient

- MPPT with up to 99.9% efficiency
- Up to 45A PV input current perfect for PV parallel

/ Intelligent

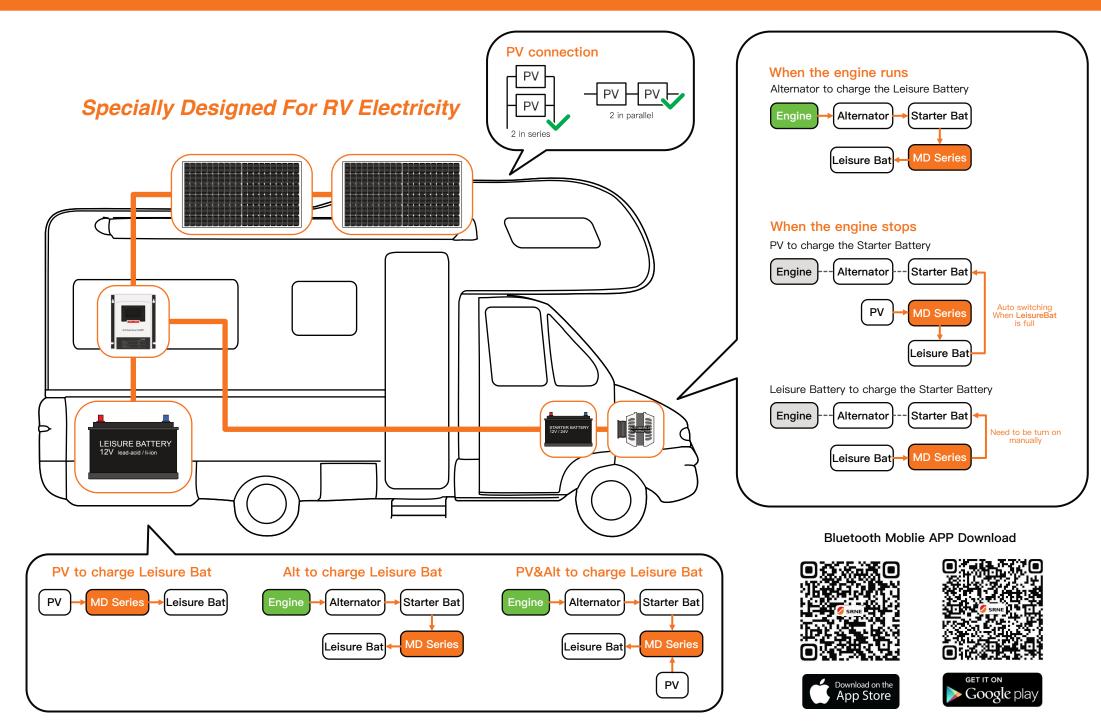
Supports TTL communication



| | MODEL | MD1230N05 | MD1250N05 | CAN BE |
|--------------------------------------|----------------------------|-----------------------------------|---------------------|--------|
| | | PV INPUT | | |
| Max.Voltage of Open Circuit | | 55Vdc | | |
| MPPT Voltage Range | | 17~36Vdc | | |
| Max.PV Input Current | | 27A | 45A | Υ |
| Max.PV Input Power | | 400W | 700W | Υ |
| | | LEISURE | BATTERY | |
| Battery Type | | Lead-acid / Li-ion / User Defined | | Υ |
| Rated Battery Voltage | | 12Vdc | | |
| Battery Voltage Range | | 9~17Vdc | | Υ |
| Max.MPPT Charging Current | | 30A | 50A | Υ |
| Max.Alternator Charging Current | | 35A | 60A | Υ |
| MPPT Charging Mode | | Buck | | |
| | | STARTER BATTERY / ALTERNATOR | | |
| Battery Type | | Lead-acid | | |
| Rated Battery Voltage | | 12Vdc | | |
| Max.MPPT Charging Voltage | | 1; | 3.8V | |
| Max.MPPT Charging Current | | ≤15A | ≤25A | |
| Max.Alterna- tor Input Voltage | Conventional Alternator | 13.2~16Vdc / 26.4~32Vdc | | |
| | Euro 6 Standard Alternator | 12~16Vdc / 14~32Vdc | | |
| Alternator Charging Mode | | Buck,Boost,Buck-Boost | | |
| | | EFFI(| CIENCY | |
| MPPT Tracking Efficiency | | >99% | | |
| Max. Charging Conversion Efficiency | | 98% | | |
| | | COMMU | JNICATION | |
| Embedded Interfaces | | TTL、Remote Switch | | Υ |
| External Modules | | Bluetooth (with APP) | | Y |
| | | GENERAL | | |
| Weight | | 2.08kG (4.58 lb) | 2.14kG (4.71lb) | |
| Dimension | | | n (8.7*6.9*3.24 in) | |
| Protection Degree | | IP32 | | |
| Operating Temperature Range | | -35°C~65°C (-31°F~149°F) | | |
| | · | CERT | TIFICATION | |
| Safety | | IEC62109 | | |
| EMS | | IEC61000, FCC sDoC | | |
| Rohs | | YES | | |

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AII IN ONE

MODE1



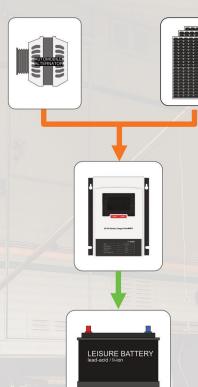
MPPT Charge the Leisure Battery

MODES



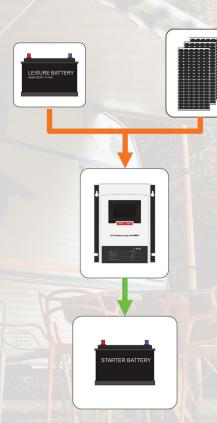
Automobile Alternator Charge the Leisure Battery

MODE3



Automobile Alternator & PV Hybrid Charge the Leisure Battery

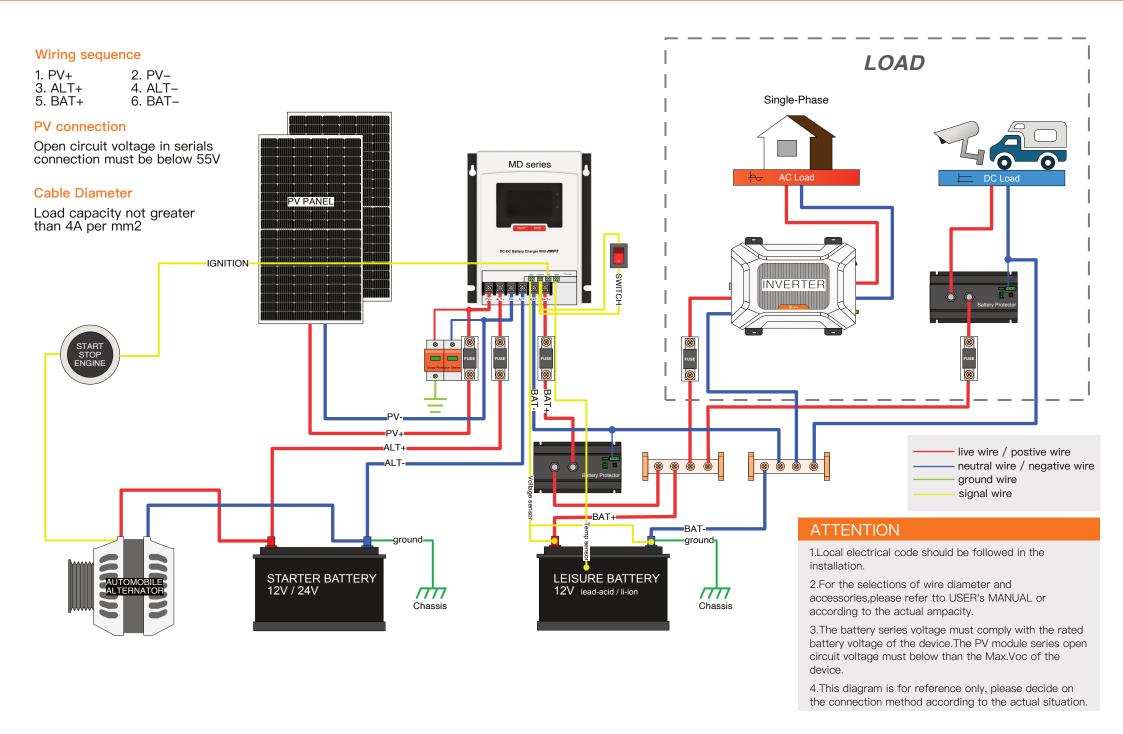
MODE4



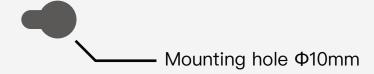
MPPT/LeisureBat Charge the Starter Battery

Even if the RV is parked for a long period of time, the starter battery has sufficient power to ensure that the RV never fails to start.









Dimension

1. You can place this paper on the wall and puncture the Mounting holes with a pen to determine the mounting position

2.Please use standard A4 size paper for printing

W*H*D 175.80*221*82.4mm

