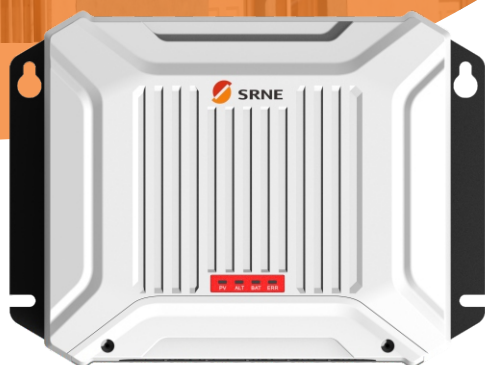




MD Series

DC-DC Dual-battery
charge controller

/MD12100N10

FEATURE

- ☐ Can charge house and starter batteries.
- ☐ Connectable to PV and Alternator.
- ☐ Highly integrated to save installation space and wiring for the user.
- ☐ Support multi-mode communication.
- ☐ Five charging methods, becoming your reliable power manager.
- ☐ Natural cooling, absolutely silent.

ABOUT SRNE

- ☐ SRNE 15 years in PV industry, committed to independent R&D and production.
- ☐ Holds over 200 patents in energy storage, with unique industry-leading technologies.
- ☐ Chooses top-quality international components to deliver high-value products to customers.
- ☐ Upholds values of customer priority, proactivity, responsibility, and innovative breakthroughs.

MODEL		MD12100N10
PV INPUT		
Max.Voltage of Open Circuit		≤95V
MPPT Voltage Range		15×N~72V
Max.PV Input Current		80A
Max.PV Input Power		1400W/2800W
HOUSE BATTERY		
Battery Type	Sealed Lead-acid、Gel Lead-acid、Flooded Lead-acid、LFP Battery、User-define	
Rated Battery Voltage		12V/24V
Battery Voltage Range		9~32VDC
Rated Charging Current		100A
STARTER BATTERY		
Battery Type		Lead-acid
Rated Battery Voltage		12/24V (Automatic Recognition)
Max.Alternator Input Voltage	Conventional Alternator	13.2~16VDC/26.4~32VDC
	Euro 6 Standard Alternator	12~16VDC/24~32VDC
	User-define	11~14VDC Adjustable(24V Alternator System×2)
Max. Alternator Input Current		120A
Alternator Charging Mode		Buck,Boost
EFFICIENCY		
MPPT Tracking Efficiency		>99%
Max. Charging Conversion Efficiency		96%
GENERAL		
Weight		7.8KG
Dimension		314*227*121mm
Protection Degree		IP32
Operating Temperature Range		-35°C~65°C
Communication		Bluetooth, RS485, CAN
Certification	IEC62109/IEC61000/FCC sDoC/RoHS/cETLus UL1741&CSA C22.2	

