



MD Series

DC-DC Dual-battery
charge controller

MD1230N05/MD1250N05

FEATURE

- ☐ Can charge house and starter batteries
- ☐ Connectable to PV and AC generators
- ☐ Highly integrated to save installation space and wiring for the user
- ☐ Supports multi-mode communication
- ☐ 5charging modes, becoming your reliable power manager
- ☐ Neutral 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		MD1230N05	MD1250N05
PV INPUT			
Max.Voltage of Open Circuit		55Vdc	
MPPT Voltage Range		17~36Vdc	
Max.PV Input Current		30A	50A
Max.PV Input Power		400W	700W
HOUSE BATTERY			
Battery Type		Lead-acid / Li-ion / User Defined	
Rated Battery Voltage		12Vdc	
Battery Voltage Range		9~16Vdc	
Max.MPPT Charging Current		30A	50A
STARTER BATTERY			
Battery Type		Lead-acid	
Rated Battery Voltage		12/24Vdc	
Max.Alterna-tor Input Voltage	Conventional Alternator	13.2~16Vdc / 26.4~32Vdc	
	Euro 6 Standard Alternator	12~16Vdc / 24~32Vdc	
Alternator Charging Mode		Buck,Boost	
EFFICIENCY			
MPPT Tracking Efficiency		>99%	
Max. Charging Conversion Efficiency		96%	
GENERAL			
Weight		1.92kg	2.34kg
Dimension		221*175.8*73mm	221*175.8*92.4mm
Protection Degree		IP32	
Operating Temperature Range		-35°C~65°C (-31°F~149°F)	
Communication		TTL, Bluetooth, RS485, CAN	
CERTIFICATION			
Certification		IEC62109/IEC61000/FCC sDoC/RoHS	

