

NX - DCDCPLUS100



NEXUS SERIES

DCDC / MPPT DUAL BATTERY CHARGE CONTROLLER

- DC-DC , MPPT Solar Charger
- Suitable for 12V & 24V Battery Systems
- 100A Total Output Current
- 5 x Charging Modes
- Bluetooth & Mobile App for real time monitoring
- Supports Modbus & CANBus (RV-C) Communication
- Passively Cooled - Absolutely Silent

MODEL		NX-DCDCPLUS100	
PV INPUT			
Max. Input Voltage		≤100 V	
MPPT Voltage Range		17 ~ 72 VDC	
Max. PV Input Current		80A	
Max. PV Input Power		1400W	
HOUSE BATTERY			
Battery Type		Flooded, Gel, AGM, Lithium, User Defined	
Rated Battery Voltage		12V or 24V	
Battery Voltage Range		9-32VDC	
Rated Charging Current		100A	
STARTER BATTERY / ALTERNATOR			
Rated Battery Voltage		12V/24V(automatic recognition)	
Max. Alternator Input Voltage	Conventional Alternator	13.2~16VDC/26.4~32VDC	
	Euro 6 Standard Alternator	12~16VDC/24~32VDC	
	User-defined	11-14VDC / 22-28VDC Adjustable	
Max. Alternator Input Current		120A	
Alternator Charging Mode		Buck, Boost	
EFFICIENCY			
MPPT Tracking Efficiency		>99%	
Max. Charging Conversion Efficiency		97%	
GENERAL			
Dimensions		W 314 mm X H 235 mm X D 121 mm	
Weight		7.8kg	
Protection Degree		electronic component: IP43 wiring terminal: IP22	
Elevation		≤3000m	
Communication		TTL/RS485/Bluetooth/CAN	
Certification		IEC62109/IEC61000/FCC sDoC/RoHS/cETLus UL1741&CSA C22.2	



Safety & Compliance

- Designed and tested to comply with AS/NZS electrical and safety standards.
- Installation must be performed by a qualified technician.
- Failure to follow installation requirements voids warranty and releases Arizon from liability.



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