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Off Grid Inverter

DR-PCS5520N2FL02

SINGLE PHASE



Efficiency

High efficiency



Safety

Security Guarantee



Compatibility

VRLA & Li-ion



Compactness

Cost-effective

Model	DR-PCS5520N2FL02
Rated Output Power	5500VA/5500W
AC Input (GRID)	
Rated Voltage	230Vac
Optional Voltage Range	170-280 Vac (PC) 90-280 Vac (Household Appliances)
Frequency Range	50Hz / 60Hz (Adaptive)
Max. AC Input Current	28A
Maximum AC input voltage	300Vac
AC Output (EPS)	
Rated Output Voltage	230Vac±5%
Output Voltage Range	220~240VAC
Rated Output Frequency	50/60H
Rated Output Current	230Vac@23.9A
Surge Power	11KVA
Peak Efficiency @ Battery Inverter	93%
Peak Efficiency @PV Inverter	96%
Transfer Time	≤20ms
Waveform	Pure Sine Wave
Output Overload Capacity	10s@110%~150% Load
Battery	
Battery Type	Lead Acid + Lithium Battery
Battery Voltage Range	43-60V
Charging Curve	Three-Stage
Lithium-battery Charging Strategy	Adaptive to Lithium Batteries
Max. Solar Energy Charging Current	80A
Max. AC Charging Current	60A
Max. Discharge Current	100A
PV Input	
PV Input String	1 String
Max. PV Array Power	6000W
Max. MPPT Efficiency	99.5%
Max. PV Open Circuit Voltage	500VDC
MPPT Operating Voltage Range	120~450VDC
Starting Voltage	130VDC
Max. Input Current	15A
Short Circuit Current (ISC)	18.7A
Protection Feature	
Protection Class	IP20
AC Input	Over/Under Voltage, Over/Under Frequency, Input Derating Alarm
PV Input	Photovoltaic Over/Under Voltage, Reverse Connection
EPS Output	Short Circuit, Overload
Battery	Over/Under Voltage, Low Voltage Alarm (Note: No short circuit protection; otherwise it may be damaged)
Other Protections	Over Temperature Protection, Over Temperature Derating Pre-Alarm
Conventional Parameters	
Certifications	IEC61000/IEC61683/IEC62109
Machine Dimension	509*310*118±2mm
Packing Dimensions	582*396*190±2mm
Net Weight	10±0.2kg
Gross Weight	11.8±0.2kg
Communication Interface	RS232 / RS485 / CAN / Dry Contact / WIFI
Relative Humidity	5%to95% Relative Humidity (non-condensing)
Operating Temperature	-10 C to 50 C
Storage Temperature	-15 C to 60 C
Max. Operating Altitude	≤2000m
Cooling Method	Forced Air Cooling