



DR-PCS Off-Grid Inverter

DR-PCS6520N2FL04



Parallel Operation
(Up to 9 Units)



Dual Output
(Smart load management)



Battery-free
Operation Supported



60-500V Wide
PV Input



Cloud APP & Remote
Upgrade



Lithium & Lead-acid
Batteries Compatible

Model	DR-PCS6520N2FL04
Rated Output Power	6500VA/6500W
PV Input	
PV Input Strings	1 String
Max. PV Array Power	9000W
Max. MPPT Efficiency	99.5%
Peak Efficiency of PV Inverter	96%
Max. PV Open-Circuit Voltage	500Vdc
MPPT Operating Voltage Range	60~450Vdc
Start-Up Voltage	80Vdc
Max. Input Current	27A
Short-Circuit Current (ISC)	33A
Max. Charging Current(Battery)	120A
AC Input (Grid)	
Rated Voltage	230Vac
Selectable Voltage Range	170~280 Vac (PC) ,90~280 Vac (Household Appliances)
Rated Input Frequency	50Hz / 60Hz (Adaptive)
Max. AC Input Current	40A
Max. AC Input Voltage	280Vac
Max. Charging Current(Battery)	120A
AC Output (EPS)	
Waveform	Pure Sine Wave
Rated Output Voltage	230Vac $\pm 5\%$
Output Voltage Range	208~240Vac
Rated Output Frequency	50/60Hz
Rated Output Current	230Vac@28.2A
Surge Power	13kVA
Peak Efficiency of Battery Inverter	94%
Transfer Time	$\leq 10\text{ms}$
Output Overload Capacity	Battery Mode : 1min@102%~120%Load 10s@>120%Load bypass mode: 1min@40-50A 10s@50A-55A 200ms@>55A
Battery	
Battery Type	Lead Acid + Lithium Battery
Battery Voltage Range	42-61Vdc
Charging Curve	Three-Stage
Max. Charging Current	120A
Max. Discharge Current	130A
General Parameters	
Machine Dimensions	416*325*112.5mm $\pm 2\text{mm}$
Net Weight	8.8Kg
Communication Interface	RS485 / CAN / USB / Wi-Fi(Supports)
Relative Humidity	5%to95% Relative Humidity (Non-condensing)
Operating Temperature	-10℃ to 50℃
Max. Operating Altitude	$\leq 2000\text{m}$
Cooling Method	Fan cooling
Protection Level	IP54
Certifications	IEC61000/IEC61683/IEC62109