

# INFINEON *reborn* PV9200

IP21 8.2 Kilowatts Hybrid Inverter

## SMART APP CONTROL

Smart Control & Monitoring  
via Fronus App



### Wifi Controller

Smart Remote Monitoring Enabled



### 160A Max PV Charging

High-Efficiency Solar Charging System



### Pure Sine Wave

Stable and Reliable Power Output



### Li-ion Battery Compatible

Fully Compatible with Li-ion Batteries



SCAN QR CODE

For Video Tutorial

## DATA SHEET

| Inverter Mode                          |                                   | Grid-Tie Operation                    |                                                 |
|----------------------------------------|-----------------------------------|---------------------------------------|-------------------------------------------------|
| Maximum PV Input Power                 | 9200W                             | Nominal Output Voltage                | 220/230/240VAC                                  |
| Rated Output Power                     | 8200W/8200VA                      | Feed-In Grid Voltage Range            | 195~253VAC                                      |
| Output Voltage Waveform                | Pure Sine Wave                    | Feed-In Grid Frequency Range          | 49~51±1Hz / 59~61±1Hz                           |
| Output Voltage Regulation              | 230VAC ±5%                        | Nominal Output Current                | 35.6A                                           |
| Output Frequency                       | 50Hz                              | Power Factor Range                    | >0.99                                           |
| Peak Efficiency                        | 93%                               | Maximum Conversion Efficiency (DC/AC) | 98%                                             |
| Overload Protection                    | 3s@≥150% Load<br>5s@101%~150 Load | Line Mode                             |                                                 |
| Surge Capacity                         | 16400W For 5s                     | Input Voltage Waveform                | Sinusoidal (Utility or Generator)               |
| Nominal DC Input Voltage               | 48Vdc                             | Nominal Input Voltage                 | 230Vac                                          |
| Cold Start Voltage                     | 46.0Vdc                           | Low Loss Voltage                      | 170Vac ±7V (UPS)<br>90Vac ±7V (Appliances)      |
| High DC Recovery Voltage               | 62Vdc                             | Low Loss Return Voltage               | 180Vac ±7V (UPS)<br>100Vac ±7V (Appliances)     |
| High DC Cut-Off Voltage                | 63Vdc                             | High Loss Voltage                     | 280Vac±7V                                       |
| No Load Power Consumption              | 70W                               | High Loss Return Voltage              | 270Vac±7V                                       |
| Two Load Output Power                  |                                   | Maximum AC Input Voltage              | 300Vac                                          |
| Full Load                              | 8200W                             | Nominal Input Frequency               | 50Hz / 60Hz (Auto Detection)                    |
| Maximum Main Load                      | 8200W                             | Low Loss Frequency                    | 40±1Hz                                          |
| Maximum Second Load Upto(Battery Mode) | 2733W                             | Low Loss Return Frequency             | 42±1Hz                                          |
| Main Load Cutt Off Voltage             | 52VDC                             | High Loss Frequency                   | 65±1Hz                                          |
| Main Load Return Voltage               | 54VDC                             | High Loss Return Frequency            | 63±1Hz                                          |
| Utility Charging Mode                  |                                   | Output Short Circuit Protection       | Circuit Breaker                                 |
| Charging Algorithm                     | 3-Step                            | Efficiency (Line Mode)                | >95% (Rated R Load,<br>Battery Full Charged)    |
| AC Charging Current (Maximum)          | 100A                              | Transfer Time                         | 10ms For UPS<br>20ms For Appliance              |
| Bulk Charging Voltage                  | Flooded Battery                   | General Specs                         |                                                 |
|                                        | AGM/Gel Battery                   | Safety Certification                  | CE                                              |
| Floating Charging Voltage              | 54Vdc                             | Operating Temperature Range           | -10°C to 50°C                                   |
| MPPT Solar Charging Mode               |                                   | Storage Temperature                   | -15°C to 60°C                                   |
| Maximum PV Array Power                 | 9200W                             | Humidity                              | 5% to 95% Relative Humidity<br>(Non-Condensing) |
| Nominal PV Voltage                     | 360Vdc                            | Dimensions (D*W*H) mm                 | 500 x 390 x 130                                 |
| PV Array MPPT Voltage Range            | 90Vdc~450Vdc                      | Net Weight (KG)                       | 14.2                                            |
| Max PV Array Open Circuit Voltage      | 500Vdc                            |                                       |                                                 |
| Maximum Charging Current               | 160A                              |                                       |                                                 |