



On-Grid Inverter
with Energy Storage IP 65 Protection

Xenon Series

9000 | 11000 | 14500 | 16000 | 22500



In Built Wifi



IP65



Dual Output



Grid Feeding



Batteryless
Operation



Battery
Management
System



Easy-to-install

- IP65 waterproof and dustproof makes the inverter available for various working conditions.
- Dual outputs, for smart load management
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)



Reliable

- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current



User-friendly

- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Parallel operation with 6 units

| KNOX SERIES | Xenon 9000 | Xenon 11000 | Xenon 14500 Twin | Xenon 16000 Twin | Xenon 22500 Twin |
|--|--|-------------------|-------------------------|---------------------|---------------------|
| MODEL | INFINI V 4 WP 6KW PLUS | AXPERT WP TWIN 8K | INFINISOLAR WP 10KW | INFINISOLAR WP 12KW | INFINISOLAR WP 15KW |
| Phase | 1-phase in / 1-phase out | | Three Phase | | |
| Maximum Pv Input Power | 9000 W | 11000 W | 14500 W | 16000 W | 22500 W |
| Rated Output Power | 6000VA/6000W | 8000VA/8000W | 10000 W | 12000 W | 15000 W |
| Maximum Charging Power | 6000 W | 11000W | 10000 W | 12000 W | 15000 W |
| GRID-TIE OPERATION | | | | | |
| PV INPUT (DC) | | | | | |
| Nominal DC Voltage / Maximum DC Voltage | 500 VDC | | 720 VDC / 1000 VDC | | |
| Start-up Voltage / Initial Feeding Voltage | 80 VDC / 150 VDC | | 320 VDC / 350 VDC | | |
| MPP Voltage Range | 120 VDC ~ 400 VDC | 90 ~ 450 VDC | 350 ~ 950 VDC | | |
| Number of MPP Trackers / Maximum Input Current | 2 / 18A | 18 A x 2 | 2 / A: 27A, B: 27A | | |
| Number of Strings Per MPP Tracker | | | A: 2, B: 2 | | |
| GRID OUTPUT (AC) | | | | | |
| Nominal Output Voltage | 220/230/240 VAC | | | | |
| Output Voltage Range | 184 - 264.5 VAC or 195.5 - 253 VAC or 184 - 264.4 VAC (Selectable) | | | | |
| Nominal Output Current | 26A | 36A | 14.5 A per phase | 17.4 A per phase | 21.7 A per phase |
| Power Factor range | > 0.99 | | 0.9 lag ~ 0.9 lead | | |
| Surge Power | 12000VA | 16000VA | 20000VA | 24000VA | 30000VA |
| No Load Power Consumption | < 60W | < 85W | 60W/P | | |
| EFFICIENCY | | | | | |
| Maximum Conversion Efficiency (DC/AC) | 96% | | | | |
| European Efficiency@ Vnominal | 95% | | | | |
| OFF-GRID OPERATION | | | | | |
| AC INPUT | | | | | |
| AC Start-up Voltage / Auto Restart Voltage | 60 - 80 VAC / 180 VAC | | 120 - 140 VAC / 180 VAC | | |
| Acceptable Input Voltage Range | 170-280 VAC (For Computers) 90-280 VAC (For Home Appliances) | | 170 - 290 VAC per phase | | |
| Frequency Range | 50 Hz/60 Hz (Auto sensing) | | | | |
| PV INPUT (DC) | | | | | |
| Battery Voltage | 48 VDC | | | | |
| Floating Charge Voltage | 54 VDC | | | | |
| Overcharge Protection | 66 VDC | | | | |
| Output Waveform | Pure sine wave | | | | |
| Transfer Time | 10 ms (For Personal Computers) | | | | |
| | 20 ms (For Home Appliances) | | | | |
| Efficiency (DC to AC) | 90% - 93% | | 91% | | |
| BATTERY & CHARGER | | | | | |
| Battery Voltage Range | 48 VDC | | 40 ~ 62 VDC | | |
| Maximum Charging Current | 120 A | 150 A | 200 A | 250 A | 300 A |
| SOLAR CHARGER & AC CHARGER | | | | | |
| Solar Charger type | MPPT | | | | |
| GENERAL | | | | | |
| PHYSICAL | | | | | |
| Dimension, D x W x H (mm) | 192 x 385 x 665 | 210 x 435 x 665 | 255 x 660 x 750 | | |
| Net Weight (kgs) | 28 | 32 | 70 | | 73 |
| INTERFACE | | | | | |
| Communication Port | RS-232, RS-485, USB, CAN and Wi-Fi | | | | |
| Intelligent Slot | Optional for SNMP and Modbus cards | | | | |
| Parallel Capability | Yes, 9 units | YES, 6 units | | | |
| ENVIRONMENT | | | | | |
| Humidity | 0 ~ 100% RH (No condensing) | | | | |
| Operating Temperature | -25 to 60°C | | | | |
| Storage Temperature | -15°C to 60°C | | | | |
| Altitude | 0 ~ 1000 m** | | | | |