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**				