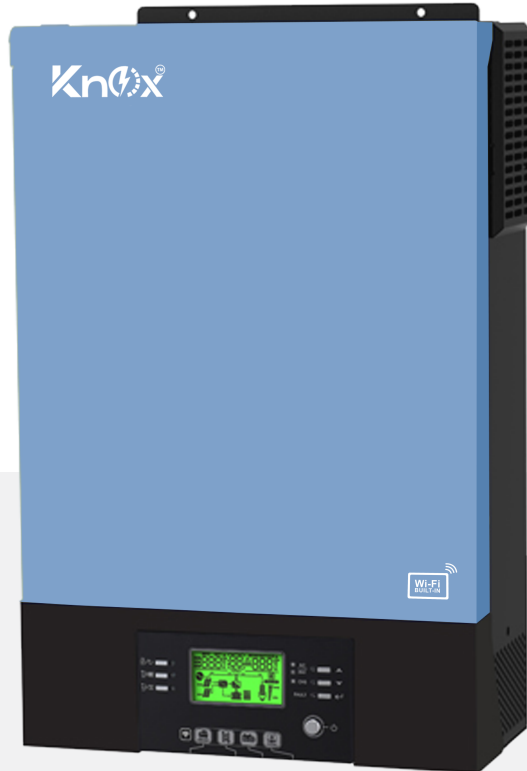


InfiniSolar VIII

High PV voltage range



Models:

IS2K VIII

IS3K VIII

IS5K VIII

IS6K VIII



Easy-to-install



Reliable



User-friendly

- Pure sine wave output
- Self-consumption and Feed-in to the grid
- Built-in MPPT solar charger
- Programmable supply priority for PV, Battery or Grid

- User-adjustable charging current and voltage
- Programmable multiple operation modes: Grid-tie, off-grid and grid-tie with backup
- Detachable LCD panel
- Reserve BMS communication

- Built-in WiFi for mobile monitoring (APP is available)
- Supports USB on-the-go function
- Parallel operation up to 9 units

Technical Data Sheet

On-Grid Inverter with Energy Storage

MODEL	EF6000L-VIII-3KW	EF6000L-VIII-3KW	EF6000L-VIII-3KW	EF6000L-VIII-3KW
Phase	1 phase in / 1 phase out			
Maximum PV Input Power	3000W	4500W	6000W	6000W
Rated Output Power	2000W	3000W	5000W	6000W
Maximum Charging Power	3000W	3000W	5000W	6000W
ON-GRID OPERATION				
PV INPUT (DC)				
Nominal DC Voltage / Maximum DC Voltage	240VDC / 500VDC	360VDC / 500VDC	360VDC / 450VDC	360VDC / 500VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150VDC	120VDC / 150VDC	120VDC / 150VDC	120VDC / 150VDC
MPP Voltage Range	120VDC - 430VDC	120VDC - 430VDC	120VDC - 430VDC	120VDC - 430VDC
Number of MPP Trackers / Maximum Input Current	1 / 13A	1 / 13A	1 / 27A	1 / 27A
ON-GRID OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Voltage Range	184 - 264.5VAC or 195.5 - 253VAC (Selectable)			
Nominal Output Current	0.7A	13A	21.7A	26A
Power Factor	> 0.99			
EFFICIENCY				
Maximum Conversion Efficiency (DC/AC)	95%			
OFF-GRID OPERATION				
AC INPUT				
AC Start-up Voltage / Auto Restart Voltage	120 - 140VAC / 180VAC			
Acceptable Input Voltage Range	90 - 280VAC or 170 - 280VAC			
Frequency Range	50 Hz / 60 Hz (Auto sensing)			
Maximum AC Input Current	30A	40A	40A	40A
PV INPUT (DC)				
Maximum DC Voltage	500VDC	500VDC	450VDC	500VDC
MPP Voltage Range	120VDC - 430VDC	120VDC - 430VDC	120VDC - 430VDC	120VDC - 430VDC
Number of MPP Trackers / Maximum Input Current	1 / 13A	1 / 13A	1 / 27A	1 / 27A
BATTERY-MODE OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	93%	93%	93%	93%
HYBRID OPERATION				
PV INPUT (DC)				
Nominal DC Voltage / Maximum DC Voltage	360VDC / 500VDC	360VDC / 500VDC	360VDC / 450VDC	360VDC / 500VDC
Start-up Voltage / Initial Feeding Voltage	120VDC / 150VDC	120VDC / 150VDC	120VDC / 150VDC	120VDC / 150VDC
MPP Voltage Range	120VDC - 430VDC	120VDC - 430VDC	120VDC - 430VDC	120VDC - 430VDC
Number of MPP Trackers / Maximum Input Current	1 / 13A	1 / 13A	1 / 27A	1 / 27A
ON-GRID OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Voltage Range	184 - 264.5VAC or 195.5 - 253VAC (Selectable)			
Nominal Output Current	0.7A	13A	21.7A	26A
AC INPUT				
AC Start-up Voltage / Auto Restart Voltage	120 - 140VAC / 180VAC			
Acceptable Input Voltage Range	90 - 280VAC or 170 - 280VAC			
Maximum AC Input Current	30A	40A	40A	40A
BATTERY-MODE OUTPUT (AC)				
Nominal Output Voltage	220/230/240VAC			
Output Waveform	Pure sine wave			
Efficiency (DC to AC)	93%	93%	93%	93%
BATTERY & CHARGER				
Nominal DC Voltage	48VDC			
Maximum Solar Charging Current	60A	60A	100A	120A
Maximum AC Charging Current	60A	60A	100A	120A
Maximum Charging Current	60A	60A	100A	120A
GENERAL				
PHYSICAL				
Dimension, D x W x H (mm)	140 x 295 x 460			140 x 365 x 460
Net Weight (kgs)	11	11	12	14
INTERFACE				
Parallel Function	Yes, 9 units			
Communication Port	USB, RS-232, Dry Contact and WiFi			
ENVIRONMENT				
Humidity	0 - 90% RH (No condensing)			
Operating Temperature	10°C to 50°C			

