



On-Grid Inverter  
with Energy Storage

# Krypton Series

5600 | 7200 | 7500 | 8000 | 11000 | 13000



In Built Wifi



Intelligent Load Management



Dual Output



Grid Feeding



Batteryless Operation



Battery Management System



Easy-to-install



Reliable



User-friendly

- Dual outputs, for smart load management
- Maximum PV input current increases to 27A
- Wide PV input voltage range 90VDC ~ 450VDC
- Status indication with RGB lights
- Built-in Wi-Fi for mobile monitoring (Android/iOS App is available)

- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485, CAN-BUS or RS232)
- Replaceable fan design for ease of maintenance
- Battery independent design
- Configurable AC/PV output usage timer and prioritization

- Compatible to Utility Mains or generator input
- Built-in anti-dust kit
- Built-in DC output for DC fan, LED bulb, router and so on.
- Parallel operation with 6 units

| <b>KNOX SERIES</b>                             | <b>Krypton 5600</b>  | <b>Krypton 7200</b>                             | <b>Krypton 7500</b>                | <b>Krypton 8000</b>             | <b>Krypton 11000</b>  | <b>Krypton 13000</b>                 |
|--|--|---|------------------------------------|---------------------------------|---|--------------------------------------|
| <b>MODEL</b>                                   | <b>Axpert VM 4 TWIN 4KW</b>  | <b>HYBRID INFINI VII 6KW - 48V</b>              | <b>HYBRID INFINI V III 6KW-48V</b> | <b>INFINISOLAR V 4 TWIN 6KW</b> | <b>HYBRID INFINI MAX II 8KW-48V TWIN</b>                              | <b>HYBRID INFINI MAX II 11KW-48V</b> |
| Phase  | Single Phase   |   |                                    |                                 |   |                                      |
| Maximum PV Input Power                         | 5600 W   | 7200 W  | 7500 W                             | 8000W                           | 11000W (5500W x 2)  | 13000W (6500W x 2)                   |
| Rated Output Power                             | 4000 W   | 6000 W  | 6000 W                             | 6000W                           | 8000W   | 11000W                               |
| <b>GRID-TIE OPERATION</b>                      |  |   |                                    |                                 |   |                                      |
| <b>PV INPUT (DC)</b>                           |  |   |                                    |                                 |   |                                      |
| Nominal DC Voltage / Maximum DC Voltage        | 500 VDC  | 360 VDC / 500 VDC                               |                                    |                                 | 500 VDC   |                                      |
| Start-up Voltage / Initial Feeding Voltage     | 120VDC / 150 VDC   |   |                                    |                                 |   |                                      |
| MPP Voltage Range                              | 60 ~ 450 VDC   | 120 VDC ~ 430 VDC                               |                                    |                                 | 90 ~ 450 VDC  |                                      |
| Number of MPP Trackers / Maximum Input Current | 1 / 27A (MAX 40A)  |   |                                    |                                 | 27A x 2 (MAX 40A)   |                                      |
| <b>GRID OUTPUT (AC)</b>                        |  |   |                                    |                                 |   |                                      |
| Nominal Output Voltage                         | 220/230/240 VAC  |   |                                    |                                 |   |                                      |
| Output Voltage Range                           | 170-280 VAC (For Personal Computers)<br>90-280 VAC (For Home Appliances) | 184 - 264.5 VAC or 195.5 - 253 VAC (Selectable) |                                    |                                 | 170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances) |                                      |
| Nominal Output Current                         | 18 A   | 26 A  |                                    |                                 | 35 A  | 48 A                                 |
| Power Factor                                   | > 0.99   |   |                                    |                                 |   |                                      |
| <b>EFFICIENCY</b>                              |  |   |                                    |                                 |   |                                      |
| Maximum Conversion Efficiency (DC/AC)          | 95%  |   |                                    |                                 |   |                                      |
| <b>OFF-GRID OPERATION</b>                      |  |   |                                    |                                 |   |                                      |
| <b>AC INPUT</b>                                |  |   |                                    |                                 |   |                                      |
| AC Start-up Voltage / Auto Restart Voltage     | 120 - 140 VAC / 180 VAC  |   |                                    |                                 |   |                                      |
| Acceptable Input Voltage Range                 | 90 - 280 VAC or 170 - 280 VAC  |   |                                    |                                 |   |                                      |
| Frequency Range                                | 50 Hz/60 Hz (Auto sensing)   |   |                                    |                                 |   |                                      |
| <b>BATTERY MODE OUTPUT (AC)</b>                |  |   |                                    |                                 |   |                                      |
| Nominal Output Voltage                         | 220/230/240 VAC  |   |                                    |                                 |   |                                      |
| Output Waveform                                | Pure sine wave   |   |                                    |                                 |   |                                      |
| Efficiency (DC to AC)                          | 93%  |   |                                    |                                 |   |                                      |
| DC Voltage                                     | 12 VDC ± 5%, 100W  |   |                                    |                                 |   |                                      |
| Transfer Time                                  | 10 ms (For Personal Computers) ; 20 ms (For Home Appliances)             |   |                                    |                                 |   |                                      |
| <b>BATTERY &amp; CHARGER</b>                   |  |   |                                    |                                 |   |                                      |
| Nominal DC Voltage                             | 48 VDC   |   |                                    |                                 |   |                                      |
| Floating Charge Voltage                        | 54 VDC   |   |                                    |                                 |   |                                      |
| Overcharge Protection                          | 63 VDC   |   |                                    | 66 VDC                          |   | 63 VDC                               |
| Solar Charger type                             | MPPT   |   |                                    | MPPT                            |   |                                      |
| Maximum Solar Charging Current                 | 120A   |   |                                    | 150A                            |   | 150A                                 |
| Maximum AC Charging Current                    | 100A   | 120 A   |                                    |                                 | 150A  |                                      |
| Maximum Charging Current                       | 120A   |   |                                    | 150A                            |   |                                      |
| Surge Power                                    | 8000VA   |   | 12000VA                            |                                 | 16000VA   | 22000VA                              |
| <b>GENERAL</b>                                 |  |   |                                    |                                 |   |                                      |
| <b>PHYSICAL</b>                                |  |   |                                    |                                 |   |                                      |
| Dimension, D x W x H (mm)                      | 119 x 313.6 x 457.5  | 120 x 295 x 468                                 | 140 x 365 x 468                    | 140 x 295 x 468                 | 158.4 x 503.6 x 530.8   |                                      |
| Net Weight (kgs)                               | 12   | 12  | 11                                 | 12                              | 20  |                                      |
| <b>INTERACE</b>                                |  |   |                                    |                                 |   |                                      |
| Parallel Function                              | Yes, 9 units   |   |                                    |                                 | YES, 6 units  |                                      |
| Communication Port                             | USB/RS232/RS485/Wifi/Dry-contact   |   |                                    |                                 |   |                                      |
| <b>ENVIRONMENT</b>                             |  |   |                                    |                                 |   |                                      |
| Humidity                                       | 0 ~ 90% RH (No condensing)   |   |                                    |                                 |   |                                      |
| Operating Temperature                          | -10°C to 50°C  |   |                                    |                                 |   |                                      |
| Storage Temperature                            | -15°C to 60°C  |   |                                    |                                 |   |                                      |



Electro industries (Pvt) Ltd.  
Warranty Claim: 0304-111(KNOX)5669  
www.knoxpv.com