



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 T rackers / 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) 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					