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

- 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)

Reliable

- 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

User-friendly

- 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

KNOX SERIES	Krypton 5600	Krypton 7200	Krypton 7500	Krypton 8000	Krypton 11000	Krypton 13000
MODEL	HYBRID INFINI V IV 4KW TWIN	HYBRID INFINI VII 6KW - 48V	HYBRID INFINI V III 6KW-48V	INFINISOLAR V 4 TWIN 6KW	HYBRID INFINI MAX II 8KW-48V TWIN	HYBRID INFINI MAX II 11KW-48V
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
GRID-TIE OPERATION						
PV INPUT (DC)						
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)	
GRID OUTPUT (AC)						
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					
EFFICIENCY						
Maximum Conversion Efficiency (DC/AC)	95%					
OFF-GRID OPERATION						
AC INPUT						
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)					
BATTERY MODE OUTPUT (AC)						
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)					
BATTERY & CHARGER						
Nominal DC Voltage	24 VDC	48 VDC				
Floating Charge Voltage	27 VDC	54 VDC				
Overcharge Protection	33 VDC	63 VDC			66 VDC	63 VDC
Solar Charger type	MPPT				MPPT	
Maximum Solar Charging Current	120A				150A	150A
Maximum AC Charging Current	120 A					150A
Maximum Charging Current	120A				150A	
Surge Power	8000VA		12000VA		16000VA	22000VA
GENERAL						
PHYSICAL						
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	
INTERACE						
Parallel Function	Yes, 9 units				YES, 6 units	
Communication Port	USB/RS232/RS485/Wifi/Dry-contact					
ENVIRONMENT						
Humidity	0 ~ 90% RH (No condensing)					
Operating Temperature	-10°C to 50°C					
Storage Temperature	-15°C to 60°C					

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