

On-Grid Inverter with Energy Storage

Krypton Eco 5000 & 6600



Models:

- 4kW-24-pV5000-TWIN

Grid Feed **4.2kW**

- 6.2kW-48-pV6600-TWIN

Grid Feed **6.2kW**



Intelligent Load Management



Dual Output



Grid Feeding



Batteryless Operation



Battery Management System



Easy-to-install



Reliable



User-Friendly

- Pure sine wave solar inverter
- Reserved communication port for BMS
- Wide PV input range
- Advanced 18A PV controller

- Battery independent design
- Maximum charging current 100A
- Built-in anti-dust kit
- Feed into grid

- Battery equalization function to optimize battery performance and extend lifecycle
- Battery management system

Technical Datasheet

KNOX SERIES	Krypton Eco 5000		Krypton Eco 6600	
MODEL	4kW-24-pV5000-TWIN		6.2kW-48-pV6600-TWIN	
Rated Power	5000VA/5000W		6600VA/6600W	
Battery Mode Power	4000W		5000W	
PV+Bat Output Power	4200W		6200W	
INPUT				
Voltage	230 VAC			
Selectable Voltage Range	184 - 264 or 195.5 - 253 VAC			
FrequencyRange	50 Hz/60 Hz (Auto sensing)			
OUTPUT				
AC Voltage Regulation (Batt. Mode)	230VAC ±5%			
Surge Power	8400VA		18000VA	
Efficiency (Peak)	93%			
Transfer Time	10ms (For Personal Computers);20ms (For Home Appliances)			
Waveform	Pure sine wave			
BATTERY				
Battery Voltage	24 VDC		48 VDC	
Floating Charge Voltage	27 VDC		54 VDC	
Overcharge Protection	32 VDC		63 VDC	
SOLAR CHARGER & AC CHARGER				
Solar Charger Type	MPPT			
Maximum PV Array Open Circuit Voltage	500 VDC			
Maximum PV Array Power	5000W		6600W	
MPP Range @ Operating Voltage	30 ~ 450VDC		90 ~ 450VDC	
PV Rated Current	18A			
Max. Input Current (Isc)	20A			
Maximum Solar Charge Current	100A			
Maximum AC Charge Current	120A			
Maximum Charge Current	120A			
PHYSICAL				
Dimension, D x W x H (mm)	115x300x435			
Net Weight (kgs)	9		10.4	
Communication Interface	RS232, optional WiFi			
ENVIRONMENT				
Humidity	5%to 95%Relative Humidity (Non-condensing)			
Operating Temperature Storage Temperature	-10°Cto 50°C -15°Cto 60°C			

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