

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**



In Built Wifi



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	50Hz/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	48VDC
Floating Charge Voltage	27VDC	54VDC
Overcharge Protection	32VDC	63VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	
Maximum PV Array Open Circuit Voltage	500VDC	
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,WiFi	
ENVIRONMENT		
Humidity	5%to 95%RelativeHumidity(Non-condensing)	
Operating Temperature Storage Temperature	-10°Cto 50°C -15°Cto 60°C	

VERSION : JUNE 2025