

# KODAK Solar Off Grid Inverter

OG 1.24 - OG 3.24 - OG 5.48



## Solar Off Grid Inverter

### Features

- Removable LCD control module with multiple communications servers and ATM
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Reserved communication port for BMS (RS485)
- Replaceable fan design for ease of maintenance
- Supply load from Grid or PV, even when a battery is not available
- Configurable AC/PV output usage timer and prioritization
- Selectable high power charging current
- Selectable input voltage range for home appliances and personal computers
- Compatible to Utility Mains or generator input
- Auto restart while AC is recovering
- Cold start function

### Models:

- KODAK Solar Off Grid Inverter OG 1.24
- KODAK Solar Off Grid Inverter OG 3.24
- KODAK Solar Off Grid Inverter OG 5.48



OG 1.24

OG 3.24 / OG 5.48



# KODAK Solar Off Grid Inverter

OG 1.24 - OG 3.24 - OG 5.48

## SPECIFICATIONS

MODEL	OG 1.24	OG 3.24	OG 5.48
Rated Power	1500VA/1500W	3000VA/3000W	5000VA/5000W
<b>INPUT</b>			
Voltage	230 VAC		
Selectable Voltage Range	170-280 VAC (For Personal Computers) 90-280 VAC (For Home Appliances)		
Frequency Range	50 Hz/60 Hz (Auto sensing)		
<b>OUTPUT</b>			
AC Voltage Regulation (Batt. Mode)	230VAC $\pm$ 5%		
Surge Power	3000VA for 5 seconds	6000VA for 5 seconds	10000VA for 5 seconds
Overload Capability	105-130% at 10 seconds		
Efficiency (Peak)	90% - 93%		
Transfer Time	15 ms (For Personal Computers) 20 ms (For Home Appliances)		
Waveform	Pure sine wave		
Max. Charger Rate	5 minutes		
<b>BATTERY</b>			
Battery Voltage	24 VDC	24 VDC	48 VDC
Floating Charge Voltage	27 VDC	27 VDC	54 VDC
Overcharge Protection	33 VDC	33 VDC	63 VDC
<b>SOLAR CHARGER &amp; AC CHARGER</b>			
Solar Charger Type	MPPT	MPPT	MPPT
Maximum PV Array Power	2000 W	4000 W	5000 W
Start-up Voltage	150 VDC +/- 10 VDC	150 VDC +/- 10 VDC	150 VDC +/- 10 VDC
MPP Range @ Operating Voltage	120 VDC - 380 VDC	120 VDC - 450 VDC	120 VDC - 450 VDC
Maximum PV Array Open Circuit Voltage	400 VDC	500 VDC	500 VDC
MPPT Maximum Input Current	9 A	18 A	18 A
Max IC	9 A	18 A	18 A
Max Isc	11 A	22 A	22 A
Maximum Solar Charge Current	60 A	80 A	80 A
Maximum AC Charge Current	40 A	60 A	60 A
Maximum Charge Current	60 A	80 A	80 A
<b>PHYSICAL</b>			
Dimension, D x W x H (mm)	100 x 280 x 390	115 x 300 x 400	115 x 300 x 400
Net Weight (kgs)	8.5	9.0	10.0
Communication Interface	USB/RS485/Bluetooth/Dry-contact		
IP Rating	IP21		
<b>ENVIRONMENT</b>			
Altitude	1000m and de-rate by 1% for every 100m above 1000m		
Humidity	5% to 95% Relative Humidity (Non-condensing)		
Operating Temperature	-10°C to 50°C (with over-temp protection in case inner component temperature reaches protection level.)		
Storage Temperature	-15°C to 60°C		
Noise Level (dB)	<60		

All information contained in this document is subject to change without notice.



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