

KODAK Solar Off Grid Inverter

OG-Plus 3.24 - OG-Plus 5.48



Solar Off Grid Inverter

Features

- Zero transfer time to protect mission-critical loads such as servers and ATM
- Detachable LCD control module with multiple communications
- Utility can provide power to load if solar power is not sufficient
- Built-in Bluetooth for mobile monitoring (Android App is available)
- Supports USB On-the-Go function
- Reserved communication port for BMS (RS485)
- Parallel operation up to 8 units

Models:

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



Parallel
Capability

0
ms

Zero
Transfer Time



Compatible
to generator



Detachable
LCD module



USB
On-the-Go



BMS
Communication



App
Download
Available



IP20



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SPECIFICATIONS

MODEL	OG-Plus 3.24	OG-Plus 5.48
Rated Power	3000VA/3000W	5000VA/5000W
Parallel Capability	Up to 8 units	
INPUT		
Voltage	230 VAC	
Voltage Range	110-280 VAC	
Frequency Range	50 Hz/60 Hz (Auto sensing) ± 4Hz	
Max IC	50 A	50 A
Max Isc	60 A	60 A
Power Factor	≥ 0.98 @ Nominal Voltage (100% Load)	
THDi	≤ 10%	
OUTPUT		
AC Voltage Regulation (Line&Batt. Mode)	230VAC ± 5%	
Frequency Range (Synchronized Range)	46-54 Hz or 56-64 Hz	
Frequency Range (Batt. Mode)	50 Hz ± 0.1 Hz or 60Hz ± 0.1 Hz	
Surge Power	6000VA for 5 seconds	10000VA for 5 seconds
Overload Capability	110-150% at 10 seconds	
Harmonic Distortion	≤ 3 % THD (Linear Load); ≤ 5 % THD (Non-linear Load)	
Transfer Time	AC Mode to Batt. Mode	0 ms
	Inverter to Bypass	4 ms (Typical)
Waveform	Pure sine wave	
Max. Charger Rate	5 minutes	
EFFICIENCY		
Line Mode	24 VDC	48 VDC
ECO Mode	27 VDC	54 VDC
Battery Mode	32 VDC	63 VDC
BATTERY		
Battery Voltage	20-32 VDC	40-64 VDC
Floating Charge Voltage	27 VDC	54 VDC
Overcharge Protection	34 VDC	66 VDC
SOLAR CHARGER & AC CHARGER		
Solar Charger Type	MPPT	MPPT
Maximum PV Array Power	1500 W	4000 W
MPP Range @ Operating Voltage	30 - 115 VDC	60-115VDC
Maximum PV Array Open Circuit Voltage	145 VDC	145 VDC
MPPT Maximum Input Current	60 A	60 A
Maximum Solar Charge Current	60 A	80 A
Maximum AC Charge Current	60 A	60 A
PHYSICAL		
Dimension, D x W x H (mm)	140 x 303 x 525	
Net Weight (kgs)	13.0	13.5
Communication Interface	USB/RS485/Bluetooth/Dry-contact	
IP Rating	IP21	
ENVIRONMENT		
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	

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

