

# KODAK Solar Hybrid Inverter

H3.0kW - H5.0kW



## Hybrid Energy Storage Inverter

### Features

- All NEW Intelligent Hybrid PV Inverter
- Dual MPPT
- Off-grid backup function
- Export Control
- UPS function
- Intelligent EMS function
- Integrated BMS
- Smart battery SOC detection - Compatible with various 48V batteries
- Multiple protection functions
- CAN, RS485, WiFi/LAN/GRPS (Optional)
- 5 years standard warranty, 20 years optional upgrade

### Models:

- KODAK Solar Hybrid Inverter-H3.0
- KODAK Solar Hybrid Inverter-H3.6
- KODAK Solar Hybrid Inverter-H4.6
- KODAK Solar Hybrid Inverter-H5.0



Storage



Wireless

Wi-Fi/GPRS  
Real time  
monitoring



App  
Download  
Available



7" LCD



IP65



# KODAK Solar Hybrid Inverter

H3.0kW - H5.0kW

## SPECIFICATIONS

Model	H3.0	H3.6	H4.6	H5.0
Intelligent Hybrid with Grid Backup				
<b>Input DC(PV side)</b>				
Max DC input voltage(V)	600			
Start-up DC voltage(V)	120			
MPPT operating voltage range(V)	90-520			
MPPT number/Max input strings number	2/2			
The rating max dc input current(A/B)	11A/11A			
<b>Battery</b>				
Battery Type	Li-ion			
Battery Voltage range(V)	42-58			
Battery Capacity(Ah)	50-2000			
Maximum Charging Power(kW)	3			
Maximum Charging current(A)	62.5/62.5			
<b>Output AC(Back-up)</b>				
Rating output power(kW)	3			
Transient max.apparent output	4000kVA, 10sec			
Back-up switch time	<10ms			
Operation phase	L-N-PE			
Rating grid voltage(V)	220/230/240			
Rating grid frequency(Hz)	50/60			
Rating grid output current(A)	13			
THDi	2%			
<b>Output AC(Grid side)</b>				
Rating output power(kW)	3	3.6	4.6	5
Operation phase	L-N-PE			
Rating grid voltage(V)	220/230/240/40			
The grid voltage range(V)	180-270			
Rating grid frequency(Hz)	50/60			
AC grid frequency range(Hz)	47-52 or 57-62			
Rating grid output current(A)	13	15.7	20.9	21.7
Output power factor	1(default)and 0.8 leading..0.8 lagging adjustable adjustable			
THD	<2%			
<b>Efficiency</b>				
Max efficiency of Solar Inverting	>97.5%			
European efficiency of Solar Inverting	>96.8%			
Max efficiency of Battery Inverting	>95%			
Max efficiency of Battery charging	>95%			
<b>Protection device</b>				
Protection device	Integrated			
Ground fault monitoring	Integrated			
Residual current monitoring unit	Integrated			
DC AFCI	Optional			
DC reverse polarity protection	Yes			
Protection class/Over voltage category	I/III			
<b>General Data</b>				
Dimensions(W/H/D)	333*505*249(mm)			
Weight(Kg)	17			
Operation temperature range	-25~60°C			
Protection degree	IP65			
Inverter Topology	High frequency insulation (for battery)			
Noise emission (typical)	<20dBA			
Cooling concept	Natural convection			
Design lifetime	>20 years			
Safety/EMC standard	IEC62040-1 IEC62109-1/-2 AS3100 NB/T 32004 EN61000-6-1 EN61000-6-3			
AC and DC Connections	Quick Connector			
Interface	CAN/RS485/WiFi/GPRS (optional)			
Warranty	5 years standard (extend to 20 years)			

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

