

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



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SPECIFICATIONS

Model	H3.0	H3.6	H4.6	H5.0
Intelligent Hybrid with Grid Backup				
Input DC(PV side)				
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	
Battery				
Battery Type	Li-ion		Li-ion	
Battery Voltage range(V)	42-58		42-58	
Battery Capacity(Ah)	50-2000		50-2000	
Maximum Charging power(kW)	3		5	
Maximum Charging current(A)	62.5/62.5		100/100	
Output AC(Back-up)				
Rating output power(kW)	3		4.6	
Transient max.apparent output	4000kVA, 10sec		6900kVA, 10sec	
Back-up switch time	<10ms		<10ms	
Operation phase	L-N-PE		L-N-PE	
Rating grid voltage(V)	220/230/240		220/230/240	
Rating grid frequency(Hz)	50/60		50/60	
Rating grid output current(A)	13		20	
THDi	2%		2%	
Output AC(Grid side)				
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%			
Efficiency				
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%			
Protection device				
Protection device	Integrated			
Ground fault monitoring	Integrated			
Residual current monitoring unit	Optional			
DC AFCI	Yes			
DC reverse polarity protection	I/III			
Protection class/Over voltage category				
General Data				
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.

