

KODAK Solar Inverter

i2.5kW - i6.0kW



Single Phase Grid Tied Inverter

Features

- High frequency switching technology - smaller & smarter
- Dual MPPT design with precise MPPT algorithm
- Integrated Export Power Manager (EPM)
- Over 98.1% Max. efficiency
- RS485, Wi-Fi/LAN/GPRS (optional) interface
- Wi-Fi monitoring available-iPhone and ANDROID App available
- 5 years standard warranty, 20 years optional upgrade

400v Models:

- KODAK Solar Inverter-i2.5
- KODAK Solar Inverter-i3.0
- KODAK Solar Inverter-i3.6
- KODAK Solar Inverter-i4.0
- KODAK Solar Inverter-i4.6
- KODAK Solar Inverter-i5.0
- KODAK Solar Inverter-i6.0



EPM
Export power
manager



Wireless
Wi-Fi/GPRS
Real time
monitoring



App
Download
Available



HF SWITCH
High switch
frequency



AFCI
Optional



IP65



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SPECIFICATIONS

Model	i2.5	i3.0	i3.6	i4.0	i4.6	i5.0	i6.0
PV							
Energy Source							
Input Side(DC)	3	3.5	4.2	4.6	5.3	5.8	6.6
Max. DC input power(kW)	550			600			
Max. DC input voltage(V)	60			120			
Start-up voltage(V)							
MPPT voltage range(V)	50-450			100-500			
Max. input current per MPPT(A/B)				11A+11A			
MPPT number/Strings per MPPT input				2 / A:1; B:1			
Output Side (AC)							
Rated output power(kW)	2.5	3	3.6	4	4.6	5	6
Max. apparent output power(kVA)	2.8	3.3	4	4.4	5 (4.6 for VDE4105)	5	6
Max. output power(kW)	2.8	3.3	4	4.4	5 (4.6 for VDE4105)	5	6
Rated grid voltage(V)				230			
Grid voltage range(V)				160-285			
Rated grid frequency(Hz)				50/60			
Operation phase				Single			
Rated grid output current(A)	10.9	13	15.7	17.4 20	21.7	27.3	
Max. output current(A)	13.3	15.7	16	21	23.8 (21.7 for AUS)	25 (21.7 for AUS)	27.3
Power Factor (at rated output power)				0.8 ... 1 ... 0.8			
THDi (at rated output power)				<1.5%			
DC injection current(mA)				<0.5%In			
Grid frequency range(Hz)				47-52 or 57-62			
Efficiency							
Max. efficiency		97.8%				98.1%	
EU efficiency		97.1%				97.3%	
MPPT efficiency				99.5%			
Protection							
DC reverse-polarity protection				Yes			
Short circuit protection				Yes			
Output over current protection				Yes			
Output over voltage protection				Yes			
Insulation resistance monitoring				Yes			
Residual current detection				Yes			
Surge protection				Yes			
Islanding protection				Yes			
Temperature protection				Yes			
Integrated DC switch				Optional			
Protection							
Dimensions(mm)				310W*543H*160D (mm)			
Weight(kg)				11.5			
Topology				Transformeless			
Self consumption (night)				<1 W(Night)			
Operating ambient temperature range				- 2.5 -eo-c			
Ingress protection				IP6 5			
Noise emission{typical}				<30 d BA			
Cooling concept				Natural convection			
Max. operation altitude				4000m			
Designed lifetime				>20years			
Grid connection standard		EN504 3 8, G 8 3/2, G59/3,AS4777		.2:201 5, VDE0126-1-1, IEC6 1 7 2 7, VDE N4105			
Relative humidity				0-100%			
Safety/EMC standard				IEC62109-1/-2, NB/T 3 2004,EN6 1000-6-1, EN61000-6-3			
Features							
DC connection				MC-4mateable			
AC connection				IP 67rated plug			
Display				LCD,2*20 Z.			
Communication connections				4 pins RS485 connector			
Warranty				5 years standard (extend to 20 years)			

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

