

KODAK Solar Inverters

i3.0F-i6.0F



High Performance Dual-MPPT Inverters

i3.0F / i3.6F / i4.6F / i5.0F / i6.0F

- Dual MPPT design with precise MPPT algorithm
- 97.4% max. efficiency
- IP65 rated
- Optional export control
- Compact & lightweight
- RS485, WiFi/LAN/GPRS (optional) communications
- Wide voltage range / low start-up voltage
- Android & iPhone apps available



High Performance



Small & Compact



IP65 Rated



Remote Monitoring



KODAK i3.0F-i6.0F

Model	i3.0F	i3.6F	i4.6F	i5.0F	i6.0F
INPUT					
PV					
Max.Recommended DC Power [W]	4500	5400	6900	7500	9000
Max.DC Voltage [V]	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	360	360	360	360
Max. Input Current (input A/input B) [A]	12.5/12.5				
Max. Short Circuit Current (input A/input B) [A]	15/15				
MPPT Voltage Range [Vdc]	80-550	80-550	80-550	80-550	80-550
Start-up Voltage [V]	120	120	120	120	120
No. of MPP Trackers	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1
OUTPUT					
AC					
Nominal AC Power [W]	3000	3600	4600	5000	6000
Max. Apparent AC Power [VA]	3300	3960	5060	5500	6000
Rated Grid Voltage [Vac]	220/230/240				
Grid Voltage Range [Vac]	180-276(According to local standard)				
Rated Grid Frequency [Hz]	50/60, ±5				
Grid frequency range [Hz]	45-55/54-65(According to local standard)				
Nominal AC Current [A]	13.0	15.7	20.0	21.7	26.1
Max. AC Current [A]	14.3	17.2	22.0	23.9	26.1
Displacement Power Factor	1 (Adjustable from 0.8 leading to 0.8 lagging)				
Total Harmonic Distortion (THDI, Nominal output)	<3%	<3%	<3%	<3%	<3%
EFFICIENCY					
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	97.40%	97.40%	97.40%	97.40%
PROTECTION					
DC Reverse-polarity Protection	YES				
Anti-Islanding Protection	YES				
Insulation Monitoring	YES				
Residual Current Monitoring	YES				
AC Short Circuit Protection	YES				
AC Output Over Current Protection	YES				
AC Output Over Voltage Protection	YES				
Surge Protection	YES				
Temperature Protection	YES				
Integrated DC Switch	Optional				
STANDARD					
Safety	IEC 62109-1/2				
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3				
Certification	AS4777.2-2015/G98-1/G99-1/EN50549-1/IEC 61727				
GENERAL DATA					
Dimensions (WxHxD) [mm]	402*476.5*148				
Net Weight [kg]	15.5				
Cooling Concept	Natural				
Ingress Protection (according to IEC60529)	IP65				
Topology	Transformerless				
Over Voltage Category	III (AC side), II (PV side)				
Noise Emission (typical) [dB]	<30				
Operating Temperature Range	-20..... +60°C (derating at +45°C)				
Storage Temperature Range	-40..... +70°C				
Humidity	0-100% (no condensation)				
Self Consumption (night) [W]	<1W				
Monitoring Module (optional)	External WIFI/Lan/GPRS (optional)				
Communication	Meter, CT, DRM, USB update, RS485				
Display	LCD screen, Touch Key, App,Web site				

