

KODAK Solar Inverters

i3.0F-i6.0F



High Performance Dual-MPPT Inverters

i3.0F / i3.6F / i4.6F / i5.0F/ i5.3F / 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
- 10 year (extendable) warranty



High
Performance



Small &
Compact



IP65
Rated



Remote
Monitoring



KODAK i3.0F-i6.0F

Model	i3.0F	i3.6F	i4.6F	i5.0F	i5.3F	i6.0F
INPUT						
PV						
Max.Recommended DC Power [W]	4500	5400	6900	7500	7950	9000
Max.DC Voltage [V]	600	600	600	600	600	600
Nominal DC Operating Voltage [V]	360	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	80-550
Start-up Voltage [V]	120	120	120	120	120	120
No. of MPP Trackers	2	2	2	2	2	2
Strings Per MPP Tracker	1	1	1	1	1	1
OUTPUT						
AC						
Nominal AC Power [W]	3000	3600	4600	5000	5300	6000
Max. Apparent AC Power [VA]	3300	3960	5060	5500	5830	6000
Rated Grid Voltage [Vac]	220/230/240					
Rated Grid Frequency [Hz]	50/60, ±5					
Nominal AC Current [A]	13.0	15.7	20.0	21.7	23.0	26.1
Max. AC Current [A]	14.3	17.2	22.0	23.9	25.3	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%	<3%
EFFICIENCY						
MPPT Efficiency	99.00%	99.00%	99.00%	99.00%	99.00%	99.00%
Euro-efficiency	96.80%	96.80%	96.80%	96.80%	96.80%	96.80%
Max. Efficiency	97.40%	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 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					



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