

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	

