

KODAK Solar Inverters

i4.0T-i20.0T



High Performance 3-Phase Inverters

i4.0T / i5.0T / i6.0T / i8.0T / i10.0T / i12.0T / i15.0T / i17.0T / i20.0T

- Dual MPPT design; 2 strings per MPPT*
- 98.3% max. efficiency
- IP65 rated
- Compact & lightweight
- RS485, WiFi/LAN/GPRS (optional) communications
- Wide voltage range / low start-up voltage
- 1000V max. DC voltage
- Android & iPhone apps available
- 5 year (extendable) warranty

*i17.0T-i20.0T



High
Performance



Small &
Compact



IP65
Rated



Remote
Monitoring



KODAK i4.0T-i20.0T

MODEL	i4.0T	i5.0T	i6.0T	i8.0T	i10.0T	i12.0T	i15.0T	i17.0T	i20.0T	
INPUT										
Max. Recommended DC power [W]	6000	7500	9000	12000	15000	15600	19500	22100	26000	
Max. DC voltage [V]	1000			1100						
Nominal DC operating voltage [V]	680			600						
Max. input current (input A/input B) [A]	12.5/12.5			25/12.5			25/25			
Max. short circuit current (input A/input B) [A]	15/15			32.5/16.25			32.5/32.5			
MPPT voltage range [Vdc]	180-850			160-850						
MPPT voltage range (full load) [Vdc]	160-850	200-850	240-850	320-850	400-850	330-850	410-850	410-850	410-850	
Start-up voltage [V]	160			180						
No. of MPP trackers					2					
Strings per MPP tracker	1					2+1		2+2		
OUTPUT										
Nominal AC power [W]	4000	5000	6000	8000	10000	12000	15000	17000	20000	
Max. apparent AC power [VA]	4400	5500	6600	8800	11000	13200	16500	18700	22000	
Rated grid voltage (AC voltage range) [Vac]	3/N/PE, 230/400 (310-480)									
Rated grid Frequency [Hz]	50/60, ±5									
Nominal AC current [A]	5.8	7.3	8.7	11.6	14.5	17.4	21.7	24.6	29.0	
Max. AC current [A]	6.4	8	9.6	12.8	16	19.1	23.9	27.1	31.9	
Displacement power factor	1 (Adjustable from 0.8 leading to 0.8 lagging)									
Total harmonic distortion (THDi, @rated output)	<3%									
EFFICIENCY										
MPPT efficiency [%]	99.5	99.5	99.5	99.5	99.5	99	99	99	99	
Euro-efficiency [%]	97.3	97.4	97.4	97.6	97.6	98.3	98.3	98.3	98.3	
Max. efficiency (@rated voltage) [%]	98.1	98.2	98.2	98.3	98.3	98.6	98.6	98.6	98.6	
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	IEC62109-1-2									
EMC	IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3/IEC61000-4-2/3/4/5/6/8									
Certification	AS4777 / VDE-AR-N 4105 / VDE0126-1-1 / G98 / G99 / EN50549 / CEI 0-21 / IEC62116 / IEC61727 / IEC61683 BIS IS 16169:2014 / BIS IS16221-1:2016 / BIS IS16221-2:2016									
GENERAL DATA										
Dimensions (WxHxD) [mm]	TBC									
NET Weight [kg]	TBC									
Cooling concept	Natural									
Degree of protection (according to IEC60529)	IP65									
Topology	Transformerless									
Over voltage category	III (AC side), II (PV side)									
Noise emission (typical) [dB] @1m	<30dB									
Operating temperature range [°C]	-20..... +60°C (derating at +45°C)									
Storage temperature range [°C]	-40..... +70°C									
Altitude	4000m (>3000m derating)									
Humidity	0-95% (no condensation)									
Self consumption (night) [W]	<1W							<3W		
Monitoring module (optional)	RS485, WIFI (optional) / GPRS (optional)									
Communication	Meter, DRM, USB update, E-stop									
Display	LCD screen, Touch Key, App, Website									



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