

KODAK Solar Inverters

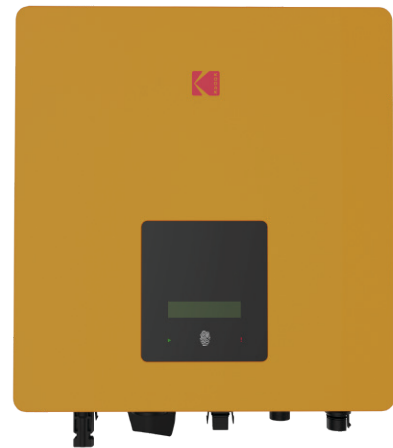
i0.7S-i3.3S



High Performance Single-MPPT Inverters

i0.7S / i1.0S / i1.5S / i2.0S / i2.5S / i3.0S / i3.3S

- Single MPPT design with precise MPPT algorithm
- 97.4% max. efficiency
- IP65 rated
- Optional export control
- Compact & lightweight
- RS485, WiFi/LAN/GPRS (optional) communications
- Low start-up voltage
- Android & iPhone apps available
- 5 year (extendable) warranty



High
Performance



Small &
Compact



IP65
Rated



Remote
Monitoring



KODAK i0.7S-i3.3S

| Model | i0.7S | i1.0S | i1.5S | i2.0S | i2.5S | i3.0S | i3.3S |
|--|--|------------|------------|--|------------|------------|------------|
| INPUT | | | | | | | |
| PV | | | | | | | |
| Max. Recommended DC Power [W] | 910 | 1300 | 1950 | 2600 | 3250 | 3900 | 4290 |
| Max.DC Voltage [V] | 500 | 500 | 500 | 500 | 550 | 550 | 550 |
| Nominal DC Operating Voltage [V] | 360 | 360 | 360 | 360 | 360 | 360 | 360 |
| Max. Input Current [A] | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 | 12.5 |
| Max. Short Circuit Current [A] | 15 | 15 | 15 | 15 | 15 | 15 | 15 |
| MPPT Voltage Range [Vdc] | 50-500 Vdc | 50-500 Vdc | 50-500 Vdc | 50-500 Vdc | 50-550 Vdc | 50-550 Vdc | 50-550 Vdc |
| Start-up Voltage [V] | 60 | 60 | 60 | 60 | 60 | 60 | 60 |
| No. of MPP Trackers | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| Strings Per MPP Tracker | 1 | 1 | 1 | 1 | 1 | 1 | 1 |
| OUTPUT | | | | | | | |
| AC | | | | | | | |
| Nominal AC Power [W] | 700 | 1000 | 1500 | 2000 | 2500 | 3000 | 3300 |
| Max. Apparent AC Power [VA] | 800 | 1100 | 1650 | 2200 | 2750 | 3300 | 3300 |
| Rated Grid Voltage [Vac] | 220/230/240 | | | | | | |
| Rated Grid Frequency [Hz] | 50/60 | | | | | | |
| Nominal AC Current [A] | 3.0 | 4.3 | 6.5 | 8.7 | 10.9 | 13.0 | 14.3 |
| Max. AC Current [A] | 3.5 | 4.8 | 7.2 | 9.6 | 12.0 | 14.3 | 14.3 |
| 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% | <3% |
| EFFICIENCY | | | | | | | |
| MPPT Efficiency | 99.00% | 99.00% | 99.00% | 99.00% | 99.00% | 99.00% | 99.00% |
| Euro-efficiency | 96.50% | 96.50% | 96.50% | 96.80% | 96.80% | 96.80% | 96.80% |
| Max. Efficiency | 97.20% | 97.20% | 97.30% | 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 | | | | IEC62109-1-2 | | | |
| EMC | | | | IEC 61000-6-1/IEC 61000-6-2/IEC 61000-6-3 | | | |
| Certification | | | | VDE-AR-N 4105/G98/G99/AS477/EN50549/CEI 0-21 | | | |
| GENERAL DATA | | | | | | | |
| Dimensions (WxHxD) [mm] | | | | 334*350*115 | | | |
| Weight [kg] | | | | 7.8 | | | |
| Cooling Concept | | | | Natural | | | |
| Topology | | | | Transformerless | | | |
| Protection Class | | | | III (AC side), II (PV side) | | | |
| Noise Emission (typical) [dB] | | | | <30 | | | |
| Max. Operating Altitude [m] | | | | 3000 (derating when>2000) | | | |
| Operating Temperature Range | | | | From -20 to +60°C (derating at +45°C) | | | |
| Humidity | | | | 0-100% (No condensation) | | | |
| Self Consumption (night) [W] | | | | <1 | | | |
| Monitoring Module (optional) | | | | External WIFI/Lan/GPRS (optional) | | | |
| Communication | | | | Meter, CT, DRM, ISO alarm | | | |
| Display | | | | LCD screen, Touch Key, App, Website | | | |



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