

# KODAK Solar Inverters

i3.0T-i25.0T

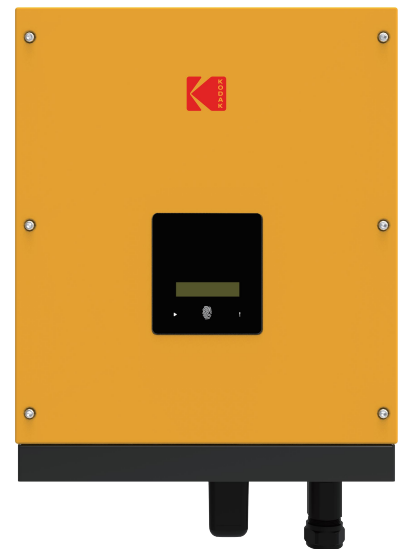


## High Performance 3-Phase Inverters

i3.0T / i4.0T / i5.0T / i6.0T / i8.0T / i10.0T / i12.0T / i15.0T / i17.0T / i20.0T / i25.0T

- 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 i3.0T-i20.0T

| MODEL  | i3.0T   | i4.0T       | i5.0T       | i6.0T       | i8.0T       | i10.0T      | i12.0T            | i15.0T     | i17.0T    | i20.0T    | i25.0T    |
|--|---|-------------|-------------|-------------|-------------|-------------|-------------------|------------|-----------|-----------|-----------|
| <b>INPUT</b>                                     |   |             |             |             |             |             |                   |            |           |           |           |
| Max. Recommended DC power [W]                    | 4500  | 6000        | 7500        | 9000        | 12000       | 15000       | 18000             | 22500      | 25500     | 30000     | 37500     |
| Max. DC Voltage [V]                              | 1100  | 1100        | 1100        | 1100        | 1100        | 1100        | 1100              | 1100       | 1100      | 1100      | 1100      |
| Nominal DC Operating Voltage [V]                 | 600   | 600         | 600         | 600         | 600         | 600         | 600               | 600        | 600       | 600       | 600       |
| Max. Input Current (input A/input B) [A]         | 12.5/12.5   | 12.5/12.5   | 12.5/12.5   | 12.5/12.5   | 12.5/12.5   | 12.5/12.5   | 12.5/12.5         | 25/12.5    | 25/25     | 25/25     | 25/25     |
| Max. Short Circuit Current (input A/input B) [A] | 16.25/16.25   | 16.25/16.25 | 16.25/16.25 | 16.25/16.25 | 16.25/16.25 | 16.25/16.25 | 16.25/16.25       | 32.5/16.25 | 32.5/32.5 | 32.5/32.5 | 32.5/32.5 |
| MPPT Voltage Range [Vdc]                         | 160-850   | 160-850     | 160-850     | 160-850     | 160-850     | 160-850     | 160-850           | 160-850    | 160-850   | 160-850   | 160-850   |
| MPPT Voltage Range (full load) [Vdc]             | 160-850   | 180-850     | 210-850     | 250-850     | 330-850     | 410-850     | 490-850           | 410-850    | 350-850   | 410-850   | 510-850   |
| Start-up Voltage [V]                             | 180   | 180         | 180         | 180         | 180         | 180         | 180               | 180        | 180       | 180       | 180       |
| No. of MPP Trackers                              | 2   | 2           | 2           | 2           | 2           | 2           | 2                 | 2          | 2         | 2         | 2         |
| Strings per MPP Tracker                          | 1+1   | 1+1         | 1+1         | 1+1         | 1+1         | 1+1         | 1+1               | 2+1        | 2+2       | 2+2       | 2+2       |
| <b>OUTPUT</b>                                    |   |             |             |             |             |             |                   |            |           |           |           |
| Nominal AC Power [W]                             | 3000  | 4000        | 5000        | 6000        | 8000        | 10000       | 12000             | 15000      | 17000     | 20000     | 25000     |
| Max. Apparent AC Power [VA]                      | 3300  | 4400        | 5500        | 6600        | 8800        | 11000       | 13200             | 16500      | 18700     | 22000     | 27500     |
| Rated Grid Voltage (AC Voltage Range) [Vac]      | 3/N/PE, 230/400 (310-480)   |             |             |             |             |             |                   |            |           |           |           |
| Grid Voltage Range [Vac]                         | 310-480(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]                           | 4.3   | 5.8         | 7.2         | 8.7         | 11.6        | 14.5        | 17.4              | 21.7       | 24.6      | 29.0      | 36.2      |
| Max. AC Current [A]                              | 4.8   | 6.4         | 8.0         | 9.6         | 12.8        | 15.9        | 19.1              | 23.9       | 27.1      | 31.9      | 39.9      |
| Displacement Power Factor                        | 1 (Adjustable from 0.8 leading to 0.8 lagging)  |             |             |             |             |             |                   |            |           |           |           |
| Total Harmonic Distortion (THDi, @rated output)  | <3%   |             |             |             |             |             |                   |            |           |           |           |
| <b>EFFICIENCY</b>                                |   |             |             |             |             |             |                   |            |           |           |           |
| MPPT Efficiency [%]                              | 99.8  |             |             |             |             |             |                   |            |           |           |           |
| Euro Efficiency [%]                              | 97.8  |             |             |             |             |             |                   |            |           |           |           |
| Max. Efficiency (@rated voltage) [%]             | 98.6  |             |             |             |             |             |                   |            |           |           |           |
| <b>PROTECTION</b>                                |   |             |             |             |             |             |                   |            |           |           |           |
| 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  |             |             |             |             |             |                   |            |           |           |           |
| <b>STANDARD</b>                                  |   |             |             |             |             |             |                   |            |           |           |           |
| 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                                    | AS4777.2-2015 / VDE-AR-N 4105 /VDE0126-1-1 /G98 / G99 / EN50549-1/ CEI 0-21<br>IEC62116 /IEC61727 /IEC61683 |             |             |             |             |             |                   |            |           |           |           |
| <b>GENERAL DATA</b>                              |   |             |             |             |             |             |                   |            |           |           |           |
| Dimensions (WxHxD) [mm]                          | 475*384*186   |             |             |             |             |             |                   |            |           |           |           |
| NET Weight [kg]                                  | 20  |             |             |             |             | 24          |                   |            |           |           |           |
| Cooling Concept                                  | Convection  |             |             |             |             |             | Forced Convection |            |           |           |           |
| Degree of Protection (according to IEC60529)     | IP65  |             |             |             |             |             |                   |            |           |           |           |
| Topology   | Transformerless   |             |             |             |             |             |                   |            |           |           |           |
| Over Voltage Category                            | III (AC side), II (PV side)   |             |             |             |             |             |                   |            |           |           |           |
| Noise [dB]                                       | <30   |             |             |             |             |             | <55               |            |           |           |           |
| Operating Temperature Range [°C]                 | -20..... +60°C (derating at +45°C)  |             |             |             |             |             |                   |            |           |           |           |
| Storage Temperature Range [°C]                   | -40..... +70°C  |             |             |             |             |             |                   |            |           |           |           |
| Altitude   | 3000  |             |             |             |             |             |                   |            |           |           |           |
| Humidity   | 0-100% (no condensation)  |             |             |             |             |             |                   |            |           |           |           |
| Self Consumption (night) [W]                     | <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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