

EA3KSI-D / EA3.68KSI / EA4KSI / EA4.6KSI / EA5KSI / EA6KSI / EA7KSI

- Compact and light weight
- Contemporary design
- Unmatched power density
- High efficiency 98.4% (high efficiency model)
- Wide MPPT range 90 ~ 550 V
- Industrial-grade high quality components
- IP65 waterproof and dustproof
- Intelligent Monitoring via smart phone



Technical Data

| MODEL | EA3KSI-D | EA3.68KSI | EA4KSI | EA4.6KSI | EA5KSI | EA6KSI | EA7KSI |
|--------------------------------------|---|-------------|-------------|-------------|------------------------------|-------------|-------------|
| INPUT (DC) | | | | | | | |
| Max. input power | 3900 W | 4800 W | 5200 W | 6000 W | 6500 W | 7800 W | 7800 W |
| Max. input voltage | | | | 600 V | | | |
| Start-up voltage | | | | 120 V | | | |
| MPPT voltage range | | | | 90 – 550 V | | | |
| Rated input voltage | | | | 360 V | | | |
| MPPT voltage range at full load | 150 – 480 V | 200 – 480 V | 200 – 480 V | 230 – 480 V | 250 – 480 V | 300 – 480 V | 350 – 480 V |
| Max. input current | | | | 11 A × 2 | | | |
| Max. short circuit current | | | | 12 A × 2 | | | |
| Number of MPPTs | | | | 2 | | | |
| OUTPUT (AC) | | | | | | | |
| Max. output power | 3000 W | 3680 W | 4000 W | 4600 W | 4900 W (AUS) 5000 W (EUR) | 6000 W | 7000 W |
| Max. output current | 13 A | 16 A | 17.4 A | 20 A | 21.3 A (AUS) 21.8 A (EUR) | 26.1 A | 30.5 A |
| Rated grid voltage | Single phase 230 Vac | | | | | | |
| Grid voltage range | 180 – 280 Vac | | | | | | |
| Rated grid frequency | 50 / 60 Hz | | | | | | |
| Grid frequency range | 45 – 55 Hz / 55 – 65 Hz | | | | | | |
| THD | < 3% (rated output power) | | | | | | |
| DC component | < 0.5% × rated output current | | | | | | |
| Power factor | > 0.99 (rated output power) | | | | | | |
| Power factor adjustable | 0.8 leading ~ 0.8 lagging | | | | | | |
| EFFICIENCY | | | | | | | |
| Max. efficiency | 97.8% | | | | | | |
| European efficiency | 97.3% | | | | | | |
| OTHERS | | | | | | | |
| Protections | Islanding protection, output short-circuit protection, leakage current protection, DC reverse polarity protection, DC input impedance detection, DC switch | | | | | | |
| Communications | RS485, Wi-Fi/Ethernet (optional), GPRS (optional) | | | | | | |
| Display | LED indicators | | | | | | |
| Self-consumption at night | < 0.5 W | | | | | | |
| IP rating | IP 65 | | | | | | |
| Cooling | Natural cooling | | | | | | |
| Installation method | Wall-mounted | | | | | | |
| DC wiring terminal | MC4 | | | | | | |
| AC wiring terminal | Plug and play | | | | | | |
| Standards | IEC/EN 62109-1, IEC/EN 62109-2, VDE 0126-1-1, VDE AR-N-4105, AS/NZS 4777.2, CEI 0-21, EN 50438, IEC 61683, IEC 61727, IEC 62116, ABNT NBR 16149, ABNT NBR 16150 | | | | | | |
| Operating temperature | -25°C ~ +60°C (> 45°C downgrading) | | | | | | |
| Relative humidity | 0% ~ 100% (non-condensing) | | | | | | |
| Altitude | 4000 m (> 2000 m downgrading) | | | | | | |
| Noise | < 40 dB | | | | | | |
| Dimensions (W × D × H) (mm) | 370 × 126.5 × 420 | | | | | | |
| Packaged dimensions (W × D × H) (mm) | 440 × 205 × 490 | | | | | | |
| Net weight (kg) | 10.9 | | | | | | |
| Gross weight (kg) | 12.5 | | | | | | |

• The AC voltage and frequency range may vary depending on specific country grid.

Disclaimer:

- These data in this document are tested under specified conditions. It may result in difference between actual results and these data due to some uncertain factors. The statement about this product is for reference only. It makes no representation or warranty.
- All specifications are subject to change without notice.