

# EA2KSI / EA2.5KSI / EA3KSI



- Compact and light weight
- Contemporary design
- High efficiency 98.2% (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	EA2KSI	EA2.5KSI	EA3KSI
<b>INPUT (DC)</b>			
Max. input power	2600 W	3250 W	3900 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	190 - 480 V	230 - 480 V
Max. input current	15 A		
Max. short circuit current	20 A		
Number of MPPTs	1		
<b>OUTPUT (AC)</b>			
Max. output power	2000 W	2500 W	3000 W
Max. output current	8.7 A	10.9 A	13 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		
<b>EFFICIENCY</b>			
Max. efficiency	97.8%		
European efficiency	97.3%		
<b>OTHERS</b>			
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)	308 × 116.5 × 353		
Packaged dimensions (W×D ×H) (mm)	375 × 205 × 455		
Net weight (kg)	8.0		
Gross weight (kg)	9.5		

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.