

# EA20KTSI / EA25KTSI / EA30KTSI (Three-Phase)

- Compact and contemporary design
- Unmatched power density
- Highest efficiency in the industry (max. 98.9%)
- Fuseless and fanless design
- Industrial-grade high quality components
- All-round lightning protection
- IP65 waterproof and dustproof
- Smart connected



## Technical Data

MODEL	EA20KTSI	EA25KTSI	EA30KTSI
<b>INPUT (DC)</b>			
Max. input power	26 kW	32.5 kW	39 kW
Max. input voltage	1100 V		
Start-up voltage	250 V		
Rated voltage	600 V		
MPPT voltage range	200 - 950 V		
MPPT voltage range at full load	470 - 850 V		
Max. input current	22 A / 22 A	33 A / 22 A	33 A / 33 A
Max. short circuit current	24 A / 24 A	36 A / 24 A	36 A / 36 A
Number of MPPTs	2		
Max. input strings	A:2 / B:2	A:3 / B:2	A:3 / B:3
<b>OUTPUT (AC)</b>			
Rated output power	20 kW	25 kW	30 kW
Max. active power	20 kW	25 kW	30 kW
Max. apparent power	20 kVA	25 kVA	30 kVA
Max. output current	29.0 A	36.3 A	43.5 A
Rated grid voltage	230 / 400 V, 3 W + N + PE		
Grid voltage range	176 - 276 V / 304 - 480 V		
Rated grid frequency	50 / 60 Hz		
Grid frequency range	45 - 55 Hz / 55 - 65 Hz		
THD	< 3% (rated power)		
Output current DC component	< 0.5% I <sub>n</sub>		
Power factor	> 0.99 (rated power)		
Power factor adjustable	0.8 leading ~ 0.8 lagging		
<b>EFFICIENCY</b>			
Max. efficiency	> 98.9%		
European efficiency	> 98.5%		
<b>OTHERS</b>			
Protections	Anti-islanding protection, output overcurrent/overvoltage protection, leakage current protection, DC reverse polarity protection, DC/AC surge protection, ground insulation resistance detection, DC switch (standard); PID prevention and restoration (optional)		
Communications	RS485, Wi-Fi / Ethernet (optional), GPRS (optional)		
Display	LED, Bluetooth (optional)		
Self-consumption at night	< 1 W		
IP rating	IP 65		
Cooling	Natural cooling		
Isolation	Transformerless		
Standards	IEC/EN 62109-1, IEC/EN 62109-2, CEI 0-21, EN 50549-1, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4		
Operating temperature	-25°C ~ +60°C (> 45°C downgrading)		
Relative humidity	0 ~ 100% (non-condensing)		
Altitude	2000 m		
Dimensions (W × D × H) (mm)	635 × 225 × 480		
Weight (kg)	43		

· 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.