

# EA5KTL-P1 / EA6KTL-P1 / EA8KTL-P1 / EA10KTL-P1 / EA12KTL-P1 / EA15KTL-P1 / EA17KTL-P1 (Three Phase)



- Well-known brands of components adopted, contributing to long service life with high reliability
- Compact and contemporary design, simplifying installation and maintenance
- Adaptive to high power PV modules with Max. string current up to 20A
- Low start-up voltage and wide MPPT voltage range
- Smart grid self-adaptive, normal power generation under a weak grid
- Support DC side over ratio of up to 150%
- Support WIFI, GPRS, RS485 communication methods
- Remote data maintenance and software upgrade with low maintenance cost

## Technical Data

MODEL	EA5KTL-P1	EA6KTL-P1	EA8KTL-P1	EA10KTL-P1	EA12KTL-P1	EA15KTL-P1	EA17KTL-P1
INPUT (DC)							
Max. input power	7.5kW	9kW	12kW	15kW	18kW	22.5kW	25.5kW
Max. input voltage	1100Vdc						
Start-up voltage	180Vdc						
MPPT voltage range	160~1000Vdc						
Max. input current	20A			20A / 20A			
Max. short-circuit current	30A			30A / 30A			
Number of MPPTs	1			2			
Max number of input strings	1 string			2 strings (1/1)			
OUTPUT (AC)							
Rated output power	5kW	6kW	8kW	10kW	12kW	15kW	17kW
Max. apparent power	5.5kVA	6.6kVA	8.8kVA	11kVA	13.2kVA	16.5kVA	18.7kVA
Max. output current (400V grid)	8A	9.6A	12.7A	15.9A	19.1A	23.9A	27A
Max. output current (380V grid)	8.4A	10A	13.4A	16.7A	20A	25A	28.4A
Rated grid voltage	400V / 380V, 3W+N+PE						
Grid voltage range	320 ~ 480V						
Rated grid frequency	50Hz / 60Hz						
Grid frequency range	45 ~ 55Hz / 55 ~ 65Hz						
THDc	< 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						
EFFICIENCY							
Max. efficiency	98.60%						
European efficiency	98.20%						
OTHERS							
Protections	DC switch, DC reserve connection protection, ground insulation resistance detection, leakage current protection, output overcurrent/overvoltage protection, anti-islanding protection, DC/AC surge protection						
Communications	RS485, GPRS (optional), WiFi (optional), 4G (optional)						
Display	LED, APP, Web						
Self-consumption at night	< 1W						
Isolation	Transformerless						
IP rating	IP66						
Operating temperature	-25 ~ +60°C (> 45°C derating)						
Operating humidity	0 ~ 100% (non-condensing)						
Cooling	Nature cooling					Fan cooling	
Altitude	4000m (> 2000m derating)						
Standards	IEC/EN 62109-1, IEC/EN 62109-2, CEI 0-21, EN50549-1, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4						
Dimensions (W×H×D)	375 x 290 x 218 mm						
Weight (kg)	≈14kg		≈15kg			≈15.7kg	

### Disclaimer:

- These data in this document are tested under specified conditions. It may result in a 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.