

# EA15KTL-P / EA17KTL-P / EA20KTL-P / EA25KTL-P / EA30KTL-P [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	EA15KTL-P	EA17KTL-P	EA20KTL-P	EA25KTL-P	EA30KTL-P
<b>INPUT (DC)</b>					
Max. input power	22.5kW	25.5kW	30kW	37.5kW	45kW
Max. input voltage	1100Vdc				
Start-up voltage	180Vdc				
MPPT voltage range	160~1000Vdc				
Max. input current	20A / 20A		20A / 40A		40A / 40A
Max. short-circuit current	25A / 25A		25A / 50A		50A / 50A
Number of MPPTs	2				
Max number of input strings	2 strings (1/1)		3 strings (1/2)		4 strings (2/2)
<b>OUTPUT (AC)</b>					
Rated output power	15kW	17kW	20kW	25kW	30kW
Max. apparent power	16.5kVA	18.7kVA	22kVA	27.5kVA	33kVA
Max. output current (400V grid)	23.9A	27A	31.8A	39.7A	47.7A
Max. output current (380V grid)	25A	28.4A	33.5A	41.8A	50.2A
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				
<b>EFFICIENCY</b>					
Max. efficiency	98.70%				
European efficiency	98.20%				
<b>OTHERS</b>					
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	Fan cooling				
Altitude	4000m (> 2000m derating)				
Standards	IEC/EN 62109-1, IEC/EN 62109-2, CEI 0-21, CEI 0-16, EN50549-1, EN 61000-6-1, EN 61000-6-2, EN 61000-6-3, EN 61000-6-4				
Dimensions (W × H × D)	320 x 480 x 215 mm				
Weight (kg)	≈20kg				≈23kg

### 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.