

EA15KTL-S / EA17KTL-S / EA20KTL-S / EA25KTL-S / EA30KTL-S / EA33KTL-S

EA15KTL-P / EA17KTL-P / EA20KTL-P / EA25KTL-P / EA30KTL-P (Three Phase)



- Well-known brand 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. input current up to 15A (-S) and 20A (-P)
- Low start-up voltage and wide MPPT voltage range
- Smart grid self-adaptive, normal power generation under weak grid
- Support over-provisioning of PV modules up to 150%
- Support WIFI, GPRS, RS485 communication method
- Remote data maintenance and software upgrade with low maintenance cost

Technical Data

MODEL	EA15KTL-S EA15KTL-P	EA17KTL-S EA17KTL-P	EA20KTL-S EA20KTL-P	EA25KTL-S EA25KTL-P	EA30KTL-S EA30KTL-P	EA33KTL-S
INPUT (DC)						
Max. DC input power	22.5kW	25.5kW	30kW	37.5kW	45kW	
Max. DC input voltage	1100Vdc					
Start-up voltage	180Vdc					
MPPT voltage range	160~1000Vdc					
Max. DC input current	15A / 30A (-S) 20A / 20A (-P)		30A / 30A (-S) 20A / 40A (-P)		30A / 45A (-S) 40A / 40A (-P)	40A / 40A
Max. short-circuit current	20A / 40A (-S) 25A / 25A (-P)		40A / 40A (-S) 25A / 50A (-P)		40A / 60A (-S) 50A / 50A (-P)	50A / 50A
Number of MPPTs	2					
Max. number of input strings	3 strings (1/2)(-S) 2 strings (1/1)(-P)		4 strings (2/2)(-S) 3 strings (1/2)(-P)		5 strings (2/3)(-S) 4 strings (2/2)(-P)	6 strings (3/3)
OUTPUT (AC)						
Rated output power	15kW	17kW	20kW	25kW	30kW	33kW
Max. apparent power	16.5kVA	18.7kVA	22kVA	27.5kVA	33kVA	33kVA
Max. output current (400V grid)	23.9A	27A	31.8A	39.7A	47.7A	47.7A
Max. output current (380V grid)	25.1A	28.5A	33.5A	41.8A	50.2A	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					
THD	< 3% (rated power)					
Output current DC component	< 0.5% I _n					
Power factor	>0.99 (rated power)					
Power factor adjustable	0.8 leading ~ 0.8 lagging					
EFFICIENCY						
Max. efficiency	98.70%					
European efficiency	98.20%					
OTHERS						
Protections	DC switch, DC reserve polarity 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					
Standards	NB / T 32004-2018 (CQC)					
Altitude	4000m (> 2000m derating)					
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 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.