

- 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	LP 20KTL-S LP 20KTL-P	LP 25KTL-S LP 25KTL-P	LP 30KTL-S LP 30KTL-P	LP 33KTL-S
INPUT (DC)				
Max. DC input power	30kW	37.5kW	45kW	
Max. DC input voltage	1100Vdc			
Start-up voltage	180Vdc			
MPPT voltage range	160~1000Vdc			
Max. DC input current	30A / 30A (-S) 20A / 40A (-P)		30A / 45A (-S) 40A / 40A (-P)	40A / 40A
Max. short-circuit current	40A / 40A (-S) 25A / 50A (-P)		40A / 60A (-S) 50A / 50A (-P)	50A / 50A
Number of MPPTs	2			
Max. number of input strings	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	20kW	25kW	30kW	33kW
Max. apparent power	22kVA	27.5kVA	33kVA	33kVA
Max. output current (400V grid)	31.8A	39.7A	47.7A	47.7A
Max. output current (380V grid)	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% In			
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 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.