

THREE PHASE & DUAL MPPT

NS 10/15KTL-D3/G2P, SE 17/20/22/25/30KTL-D3/G2

Application: Residential & Small-Medium C&I Use



SUPERIOR PERFORMANCE

- Maximum efficiency of 98.4%
- Large string current, compatible with large PV modules
- Wide voltage range, compatible with various power grids
- Compact for easy installation



High Reliability

- IP66 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI function



INTELLIGENT MAINTENANCE

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app
- Multiple I/O and communication configurations

Model	NS 10KTL-D3/G2P	N S 15KTL-D3/G2P	N S 17KTL-D3/G2	20K TL-D3/G2	22 KTL-D3/G	KTL-D3/G2	30KTL-D	
Efficiency								
Max. Efficiency	98.4%							
European Efficiency	97.8%						98.0%	
Input (PV)								
Max. Input Voltage	1100V							
Max. PV Configuration (STC)	150%							
Rated Input Voltage	620V							
Max. Input Current	15A/30A						30A/30A	30A/40A
Max.Short Circuit Current	20A/40A						40A/40A	37.5A/50A
Start Input Voltage	180V							
MPPT Operating Voltage Range	160V-1000V							
Max. Number of PV Strings	1/2						2/2	
No. of MPPTs	2							
Output (Grid)								
Rated AC Active Power	10,000W	15,000W	17,000W	20,000W	22,000W	25,000W	30,000W	
Max. AC Apparent Power	11,000VA	16,500VA	18,700VA	22,000VA	24,200VA	27,500VA	33,000VA	
Max. AC Output Current	3*16.8A	3*25.3A	3*28.6A	3*33.7A	3*37A	3*39.8A	3*50.2A	
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE							
AC Voltage Range ^①	260V-510V (Adjustable)							
Rated Grid Frequency	50Hz / 60Hz							
Grid Frequency Range ^②	45Hz-55Hz / 55Hz-65Hz (Adjustable)							
THDI	<3%@Rated Power							
DC Current Injection	<0.5%@Rated Current							
Power Factor	> 0.99 Rated power (Adjustable 0.8 LD - 0.8 LG)							
Protection								
DC Switch	Yes							
Anti-Islanding Protection	Yes							
AC Overcurrent Protection	Yes							
AC Short Circuit Protection	Yes							
DC Reverse Protection	Yes							
Surge Arrester	DC Type III(Type II optional) / AC Type III(Type II optional)							
Insulation Detection	Yes							
Leakage Current Protection	Yes							
General								
Topology	Transformerless							
IP Rating	IP66							
Night Self Consumption	<1W (Standard)							
Cooling	Natural cooling						Fan cooling	
Operating Temperature Range	-25 C -60 C							
Relative Humidity Range	0-100%							
Max. Operating Altitude	4000m							
Dimensions (W*H*D)	398mm*460mm*190mm							
Weight	18.7Kg						20.1Kg	20.3Kg
HMI & COM								
Display	Wireless & APP +LED, LCD (Optional)							
Communication	RS485, Optional: WiFi / GPRS / LAN							
Certification								
Safety	IEC62109-1, IEC62109-2							
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116, AS4777.2							
Warranty	5 Years							

Remarks: · ^{①②}The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.