

## THREE PHASE & DUAL MPPT

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

Application: Residential & Small and 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	SE 10KTL-D3/G2P	SE 15KTL-D3/G2P	SE 17KTL-D3/G2	SE 20KTL-D3/G2	SE 22KTL-D3/G2	SE 25KTL-D3/G2	SE 30KTL-D3/G2	
<b>Efficiency</b>								
Max. Efficiency	98.4%							
European Efficiency	97.8%						98.0%	
<b>Input (PV)</b>								
Max. Input Voltage	1100V							
Max. PV Configuration	150%							
Rated Input Voltage	620V							
Max. Input Current	15A+30A						2*30A	40A/30A
Max.Short Circuit Current	20A+40A						2*40A	50A/37.5A
Start Input Voltage	180V							
MPPT Operating Voltage Range	160V-1000V							
Max. Number of PV Strings	3 (1/2)						4 (2/2)	
No. of MPPTs	2							
<b>Output (Grid)</b>								
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 <sup>①</sup>	260V-510V (Adjustable)							
Rated Grid Frequency	50Hz / 60Hz							
Grid Frequency Range <sup>②</sup>	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)							
<b>Protection</b>								
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							
<b>General</b>								
Topology	Transformerless							
IP Rating	IP66							
Night Self Consumption	<1W							
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
<b>HMI &amp; COM</b>								
Display	Wireless & APP +LED, LCD (Optional)							
Communication	RS485, Optional: WIFI / GPRS / LAN							
<b>Certification</b>								
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 : • <sup>①②</sup>The range of output voltage and frequency may vary depending on different grid codes.  
• Specifications are subject to change without advanced notice.