

THREE PHASE & DUAL MPPT

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

Application: Small-Scale Industrial and Residential Use



SUPERIOR EFFICIENCY

- Maximum efficiency of 98.4%
- Maximum String Current of 15A, compatible with 600W+ modules
- 150% PV configuration and 110% output overload



HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof
- Optional DC/AC SPD, AFCI detection and C5 anti-corrosion features for added protection
- Compatible with a wide range of power grid voltage and high harmonic power grid environments



INTELLIGENT MAINTENANCE

- Quick commissioning via mobile app
- Remote configuration and upgrade
- Power export control supported

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
Efficiency							
Max. Efficiency	98.3%	98.4%	98.4%	98.4%	98.4%	98.4%	98.4%
European Efficiency	97.8%	98.0%	98.0%	98.0%	98.0%	98.0%	98.0%
Input (PV)							
Max. Input Voltage				1100V			
Max. PV Configuration				150%			
Rated Input Voltage				620V			
Max. Input Current	15A+30A				2*30A		
Max. Short Circuit Current	20A+40A				2*40A		
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			
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 Active Power (PF=1)	11,000W	16,500W	18,700W	22,000W	24,200W	27,500W	33,000W
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	Support						
Anti-Islanding Protection	Support						
AC Overcurrent Protection	Support						
AC Short Circuit Protection	Support						
DC Reverse Connection	Support						
Surge Arrester	AC Type III (Type II optional) / DC Type III (Type II optional)						
Insulation Detection	Support						
Leakage Current Protection	Support						
General							
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						
Noise	<45dB						
Dimensions (W*H*D)	398mm*460mm*190mm						
Weight	18Kg						20Kg
HMI & COM							
Display	Wireless & APP + LED, LCD (Optional)						
Communication	RS485, Optional: WiFi / GPRS / 4G / 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.