

## THREE PHASE & DUAL MPPT

SE 10/12/15KTL-D3/G2P, SE 17/20/22/25KTL-D3/G2



### SUPERIOR EFFICIENCY

- Maximum efficiency 98.4%
- Max String Current 20A, compatible with 600W+ modules
- 150% PV configuration, 110% output overload



### HIGH RELIABILITY

- Die-cast aluminum case, IP66 waterproof and dustproof, C5 anti-corrosion
- DC /AC SPD, AFCI detection optional
- Compatible with wide power grid voltage and high harmonic power grid environment



### INTELLIGENT MAINTENANCE

- App quick commissioning
- Remote configuration and upgrade
- Supports export control

Model	SE 10KTL-D3/G2P	SE 12KTL-D3/G2P	SE 15KTL-D3/G2P	SE 17KTL-D3/G2	SE 20KTL-D3/G2	SE 22KTL-D3/G2	SE 25KTL-D3/G2
<b>Efficiency</b>							
Max. Efficiency	98.3%	98.3%	98.4%	98.4%	98.4%	98.4%	98.4%
European Efficiency	97.8%	97.8%	98.0%	98.0%	98.0%	98.0%	98.0%
<b>Input (PV)</b>							
Max. Input Voltage	1100V						
Max. PV configuration	150%						
Rated Input Voltage	620V						
Max. Input Current	30A+15A					2*30A	
Max.Short Circuit Current	40A+20A					2*40A	
Start Input Voltage	180V						
MPPT Operating Voltage Range	160V-1000V						
Max. Number of PV Strings	3 (2/1)					4 (2/2)	
No. of MPPTs	2						
<b>Output (Grid)</b>							
Rated AC Active Power	10,000W	12,000W	15,000W	17,000W	20,000W	22,000W	25,000W
Max. AC Apparent Power	11,000VA	13,200VA	16,500VA	18,700VA	22,000VA	24,200VA	25,000VA
Max. AC Active Power (PF=1)	11,000W	13,200W	16,500W	18,700W	22,000W	24,200W	25,000W
Max. AC Output Current	3*16.8A	3*20.2A	3*25.3A	3*28.6A	3*33.7A	3*37A	3*39.8A
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 Leading - 0.8Lagging)						
<b>Protection</b>							
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						
String current detection	Optional						
Leakage current protection	Support						
<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						
Noise	<45dB						
Dimensions (W*H*D)	398mm*460mm*190mm						
Weight	23Kg						
<b>HMI &amp; COM</b>							
Display	Wireless & APP +LED, LCD (Optional)						
Communication	RS485, WiFi / GPRS / 4G (Optional)						
<b>Certification</b>							
Safety	IEC62109-1, IEC62109-2						
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001, IEC 61727/62116						
Warranty	5 Years						

Remarks : • <sup>①②</sup>The range of output voltage and frequency may vary depending upon different grid codes.  
• Specifications are subject to change without advance notice.