

## THREE PHASE & DUAL MPPT

### SE 5/6/8/10/12/15KTL-D3/G2

Application: Small-Scale Industrial and Residential Use



### SUPERIOR EFFICIENCY

- Maximum efficiency of 98.3%
- 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 5KTL-D3/G2	SE 6KTL-D3/G2	SE 8KTL-D3/G2	SE 10KTL-D3/G2	SE 12KTL-D3/G2	SE 15KTL-D3/G2
<b>Efficiency</b>						
Max. Efficiency	98.2%	98.2%	98.2%	98.2%	98.3%	98.3%
European Efficiency	97.8%	97.8%	97.8%	97.8%	97.8%	97.8%
<b>Input (PV)</b>						
Max. Input Voltage						1100V
Max. PV Configuration						150%
Rated Input Voltage						620V
Max. Input Current					2*15A	15A+2*15A
Max.Short Circuit Current					2*20A	20A+2*20A
Start Input Voltage						180V
MPPT Operating Voltage Range						160V-1000V
Max. Number of PV Strings	2 (1/1)				3 (1/2)	
No. of MPPTs						2
<b>Output (Grid)</b>						
Rated AC Active Power	5000W	6,000W	8,000W	10,000W	12,000W	15,000W
Max. AC Apparent Power	5500VA	6,600VA	8,800VA	11,000VA	13,200VA	16,500VA
Max. AC Active Power (PF=1)	5500W	6,600W	8,800W	11,000W	13,200W	16,500W
Max. AC Output Current	3*8.4A	3*10.1A	3*13.4A	3*17A	3*20.2A	3*25.3A
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE					
AC Voltage Range①	260V-510V (Adjustable)					
Rated Grid Frequency	50Hz / 60Hz					
Grid Frequency Range②	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	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					
<b>General</b>						
Topology	Transformerless					
IP Rating	IP66					
Night Self Consumption	<1W					
Cooling	Natural cooling					
Operating Temperature Range	-25°C-60°C					
Relative Humidity Range	0-100%					
Max. Operating Altitude	4000m					
Noise	<30dB					
Dimensions (W*H*D)	398mm*460mm*190mm					
Weight	16Kg				18Kg	
<b>HMI &amp; COM</b>						
Display	Wireless & APP +LED, LCD (Optional)					
Communication	RS485, Optional: WiFi / GPRS / 4G / 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: • ①②The range of output voltage and frequency may vary depending on different grid codes.  
• Specifications are subject to change without advanced notice.