

# THREE PHASE & DUAL MPPT

## SE 17/20/22KTL-D3

Application: Small-sized Industrial and Residential Use



### SUPERIOR EFFICIENCY

- Maximum efficiency 98.6%
- String current 13.5A, compatible with high power modules
- 150% PV configuration, 110% output overload



### HIGH RELIABILITY

- Natural Cooling
- Integrated type II DC/AC SPD
- APP for local settings & display



### INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export control

Model	SE 17KTL-D3	SE 20KTL-D3	SE 22KTL-D3
<b>Efficiency</b>			
Max. Efficiency	98.6%	98.6%	98.6%
European Efficiency	98.2%	97.7%	98.2%
<b>Input(PV)</b>			
Max. Input Voltage	1000V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	620V		
Max. Input Current	54A (2*27A)		
Max.Short Circuit Current	60A (2*30A)		
Start Input Voltage	250V		
MPPT Operating Voltage Range	180V-960V		
Max. Number of PV Strings	4 (2/2)		
No. of MPPTs	2		
<b>Output(Grid)</b>			
Rated AC Active Power	17,000W	20,000W	22,000W
Max. AC Apparent Power	18,700VA	22,000VA	24,200VA
Max. AC Active Power (PF=1)	18,700W	22,000W	24,200W
Max. AC Output Current	3*28.3A	3*33.5A	3*35A
Rated AC Voltage	380V/400V, 3W+N+PE		
AC Voltage Range <sup>①</sup>	277V-520V (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%In		
Power Factor	>0.99 Rated power (Adjustable 0.8 LG - 0.8 LD)		
<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	DC Type II / AC Type II		
Insulation detection	Support		
Leakage current protection	Support		
<b>General</b>			
Topology	Transformerless		
IP Rating	IP65		
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)	555mm*446mm*270mm		
Weight	35Kg		
<b>HMI &amp; COM</b>			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	RS485, WiFi / GPRS / 4G / LAN (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.