

## SINGLE PHASE & DUAL MPPT

### PV 4/5/6KTL-D1

Application: Family Use



#### SUPERIOR EFFICIENCY

- Maximum efficiency 97.6%
- String current 13A, compatible with high power modules
- 150% PV configuration, 110% output overload



#### HIGH RELIABILITY

- Natural Cooling
- Die-cast aluminum case
- APP for local settings & display



#### INTELLIGENT MAINTENANCE

- Easy installation, light weight and small size
- Remote configuration and upgrade
- Supports export control

Model	PV 4KTL-D1	PV 5KTL-D1	PV 6KTL-D1
<b>Efficiency</b>			
Max. Efficiency	97.5%	97.6%	97.6%
European Efficiency	97.2%	97.3%	97.3%
<b>Input(PV)</b>			
Max. Input Voltage	600V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	360V		
Max. Input Current	26A (2*13A)		
Max.Short Circuit Current	30A (2*15A)		
Start Input Voltage	90V		
MPPT Operating Voltage Range	70V-580V		
Max. Number of PV Strings	2(1/1)		
No. of MPPTs	2		
<b>Output(Grid)</b>			
Rated AC Active Power	4,000W	5,000W <sup>③</sup>	6,000W
Max. AC Apparent Power	4,400VA	5,500VA <sup>③</sup>	6,600VA
Max. AC Active Power (PF=1)	4,400W	5,500W <sup>③</sup>	6,600W
Max. AC Output Current	19.1A	23.8A	28.6A
Rated AC Voltage	220V/230V, L+N+PE		
AC Voltage Range <sup>①</sup>	160V-300V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range <sup>②</sup>	45Hz-55Hz / 55Hz-65Hz (Adjustable)		
THDI	<3% (Rated Power)		
DC Current Injection	<0.5In		
Power Factor	>0.99 Rated power (Adjustable 0.8 Leading-0.8 Lagging)		
<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		
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 (typical)	<30dB		
Dimensions (W*H*D)	335*426*125mm		
Weight	12.8kg		
<b>HMI &amp; COM</b>			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	WiFi, RS485 / GPRS / 4G / LAN (Optional)		
<b>Certification</b>			
Safety	IEC62109-1, IEC62109-2		
EMC	EN 61000-6-1/3		
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, UNE 217001		
Warranty	5 Years/10 Years (Optional)		

- Remarks :**
- <sup>①②</sup>The range of output voltage and frequency may vary depending upon different grid codes.
  - <sup>③</sup>The maximum apparent power of the SE 5KTL-D1 is 4600 VA if the Germany VDE-AR-N 4105 grid code is selected
  - Specifications are subject to change without advance notice.