

# SINGLE PHASE & SINGLE MPPT

## PV 2/3/3.6KTL-S1

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 2KTL-S1	PV 3KTL-S1	PV 3K6TL-S1
<b>Efficiency</b>			
Max. Efficiency	97.4%	97.6%	97.6%
European Efficiency	96.8%	97.3%	96.3%
<b>Input(PV)</b>			
Max. Input Voltage	600V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	360V		
Max. Input Current	13A		
Max.Short Circuit Current	15A		
Start Input Voltage	90V		
MPPT Operating Voltage Range	70V-580V		
Max. Number of PV Strings	1		
No. of MPPTs	1		
<b>Output(Grid)</b>			
Rated AC Active Power	2,000W	3,000W	3,600W
Max. AC Apparent Power	2,200VA	3,300VA	3,960VA
Max. AC Active Power (PF=1)	2,200W	3,300W	3,960W
Max. AC Output Current	9.5A	14.3A	17.2A
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)	285*336*125mm		
Weight	8.8kg		
<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		

**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.