

# SINGLE PHASE & SINGLE MPPT

## PV 2/3/3.6KTL-S1/G2P

Application: Family Use



### SUPERIOR EFFICIENCY

- Maximum efficiency 97.8%
- String current 15A, compatible with high power modules
- 150% PV configuration, 110% output overload



### HIGH RELIABILITY

- IP65 waterproof and dustproof, C5 anti-corrosion
- Compatible with wide power grid voltage and high harmonic power grid environment
- DC /AC SPD optional, AFCI detection optional



### INTELLIGENT MAINTENANCE

- Remote configuration and upgrade
- Supports export power control

Model	PV 2KTL-S1/G2P	PV 3KTL-S1/G2P	PV 3K6TL-S1/G2P
<b>Efficiency</b>			
Max. Efficiency	97.5%	97.8%	97.8%
European Efficiency	96.5%	96.8%	96.8%
<b>Input (PV)</b>			
Max. Input Voltage	500V		
Max. PV configuration (STC)	150%		
Rated Input Voltage	360V		
Max. Input Current	15A		
Max.Short Circuit Current	20A		
Start Input Voltage	70V		
MPPT Operating Voltage Range	50V-490V		
Max. Number of PV Strings	1		
No. of MPPTs	1		
<b>Output (Grid)</b>			
Rated AC Active Power	2,000W	3,000W	3,600W
Rated Apparent Power	2,000VA	3,000VA	3,600VA
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA
Max. AC Active Power (PF=1)	2,200W	3,300W	3,600W
Max. AC Output Current	10A	15A	16A
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	<0.5%In		
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	DC Type III (Optional) / 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)	320mm*344mm*137mm		
Weight	6.5Kg		
<b>HMI &amp; COM</b>			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	Optional: WiFi / GPRS / RS485		
<b>Certification</b>			
Safety	IEC62109-1, IEC62109-2		
Grid Code	DE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206001/206002-1, IEC 61727/62116, ORDINANCE n°140 2022, IEEE 1547, AS 4777, VDE 0126-1		
Warranty	10 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.