

SINGLE PHASE & SINGLE MPPT

VP 2/3/3.6KTL-S1/G2R

Application: Residential Use



SUPERIOR PERFORMANCE

- Maximum efficiency of 97.8%
- Max. string current up to 20A
- Compact size & high power density



HIGH RELIABILITY

- IP65 protection level for outdoor installation
- Optional: DC/AC Type II SPD
- Optional: AFCI function



INTELLIGENT MAINTENANCE

- Power consumption monitoring
- Remote configuration and upgrade
- Quick commissioning via mobile app



Model	VP 2KTL-S1/G2R	VP 3KTL-S1/G2R	VP 3K6TL-S1/G2R
Efficiency			
Max. Efficiency		97.8%	
European Efficiency	96.5%	96.8%	96.8%
Input (PV)			
Max. Input Voltage		500V	
Max. PV configuration (STC)		150%	
Rated Input Voltage		360V	
Max. Input Current		20A	
Max. Short Circuit Current		30A	
Start Input Voltage		70V	
MPPT Operating Voltage Range		50V-490V	
Max. Number of PV Strings		1	
No. of MPPTs		1	
Output (Grid)			
Rated AC Active Power	2,000W	3,000W	3,600W
Max. AC Apparent Power	2,200VA	3,300VA	3,600VA
Max. AC Output Current	10A	15A	16A
Rated AC Voltage	220V/230V/240V, L+N+PE		
AC Voltage Range ^①	160V-300V (Adjustable)		
Rated Grid Frequency	50Hz/60Hz		
Grid Frequency Range ^②	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)		
Protection			
DC Switch	Yes		
Anti-islanding Protection	Yes		
AC Overcurrent Protection	Yes		
AC Short Circuit Protection	Yes		
DC Reverse Connection	Yes		
Surge Arrester	DC Type III (Type II optional) / AC Type III (Type II optional)		
Insulation Detection	Yes		
Leakage Current Protection	Yes		
General			
Topology	Transformerless		
IP Rating	IP65		
Night Self Consumption	<1W (Standard)		
Cooling	Natural cooling		
Operating Temperature Range	-25 °C -60 °C		
Relative Humidity Range	0-100%		
Max. Operating Altitude	4000m		
Dimensions (W*H*D)	277mm*243mm*130mm		
Weight	5Kg		
HMI & COM			
Display	Wireless & APP+LED, LCD (Optional)		
Communication	Optional: WiFi/GPRS/RS485/LAN		
Certification			
Safety	IEC 62109-1, IEC 62109-2		
Grid Code	IEC 61727/62116, IEC 61683, IEC60068		
Warranty	5 Years		

Remarks: · ^{①②}The range of output voltage and frequency may vary depending on different grid codes.
· Specifications are subject to change without advanced notice.