

# PV H3 SERIES | THREE PHASE & DUAL MPPT

PV 10/15KTL-D3/G2P, PV 17/20/22/25/30KTL-D3/G2

Application: Residential & Small and Medium C&I use

PV Inverter



IP66  
Protection



Shade  
smart



150% DC input  
oversizing and 110%  
AC Output overloading



Multiple I/O  
connect



Compatible large  
PV panels



Arc-fault circuit  
interrupter Optional



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Model	PV 10KTL-D3/G2P	PV 15KTL-D3/G2P	PV 17KTL-D3/G2	PV 20KTL-D3/G2	PV 22KTL-D3/G2	PV 25KTL-D3/G2	PV 30KTL-D3/G2
<b>Efficiency</b>							
Max. Efficiency	98.4%						
European Efficiency	97.8%						98.0%
<b>Input (PV)</b>							
Max. Input Voltage	1100V						
Max. PV Configuration (STC)	150%						
Rated Input Voltage	620V						
Max. Input Current	15A+30A	2*30A				40A/30A	
Max.Short Circuit Current	20A+40A	2*40A				50A/37.5A	
Start Input Voltage	180V						
MPPT Operating Voltage Range	160V-1000V						
Max. Number of PV Strings	3 (1/2)						4 (2/2)
No. of MPPTs	2						
<b>Output (Grid)</b>							
Rated AC Active Power	10,000W	15,000W	17,000W	20,000W	22,000W	25,000W	30,000W
Max. AC Apparent Power	11,000VA	16,500VA	18,700VA	22,000VA	24,200VA	27,500VA	33,000VA
Max. AC Output Current	3*16.8A	3*25.3A	3*28.6A	3*33.7A	3*37A	3*39.8A	3*50.2A
Rated AC Voltage	380V / 400V / 415V, 3W+N+PE						
AC Voltage Range①	260V-510V (Adjustable)						
Rated Grid Frequency	50Hz / 60Hz						
Grid Frequency Range②	45Hz-55Hz / 55Hz-65Hz (Adjustable)						
THDI	<3%@Rated Power						
DC Current Injection	<0.5%@Rated Current						
Power Factor	> 0.99 Rated power (Adjustable 0.8 LD - 0.8 LG)						
<b>Protection</b>							
DC Switch	Yes						
Anti-Islanding Protection	Yes						
AC Overcurrent Protection	Yes						
AC Short Circuit Protection	Yes						
DC Reverse Protection	Yes						
Surge Arrester	DC Type III(Type II optional) / AC Type III(Type II optional)						
Insulation Detection	Yes						
Leakage Current Protection	Yes						
<b>General</b>							
Topology	Transformerless						
IP Rating	IP66						
Night Self Consumption	<1W						
Cooling	Natural cooling						Fan cooling
Operating Temperature Range	-25°C-60°C						
Relative Humidity Range	0-100%						
Max. Operating Altitude	4000m						
Dimensions (W*H*D)	398mm*460mm*190mm						
Weight	18.7Kg	20.1Kg				20.3Kg	
<b>HMI &amp; COM</b>							
Display	Wireless & APP +LED, LCD (Optional)						
Communication	RS485, Optional: WiFi / GPRS / LAN						
<b>Certification</b>							
Safety	IEC62109-1, IEC62109-2						
Grid Code	VDE-AR-N 4105, EN 50549-1, CEI 0-21, UNE 206006/206007-1, RD 1699/661&413, IEC 61727/62116, AS4777.2						
Warranty	10 Years						
Country of Manufacture	China						

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