

# PV H3 SERIES | THREE PHASE & MULTIPLE MPPT

## PV 30/40KTL-T3/G2, PV 50KTL-Q3/G2

Application: Commercial & Industrial Sites

PV Inverter



DC/AC SPD  
Type II



Shade  
smart



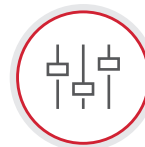
30KW natural cooling  
and noiseless



IP66  
Protection



MPPT current  
detection



Night SVG optional,  
I/V detection optional,  
Integrated PID optional



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Model	PV 30KTL-T3/G2	PV 40KTL-T3/G2	PV 50KTL-Q3/G2
<b>Efficiency</b>			
Max. Efficiency		98.5%	
European Efficiency	98.0%	98.0%	97.9%
<b>Input (PV)</b>			
Max. Input Voltage		1100V	
Max. PV Configuration (STC)		150%	
Rated Input Voltage		620V	
Max. Input Current	40A+2*32A	40A+2*32A	40A+3*32A
Max.Short Circuit Current	50A+2*45A	50A+2*45A	50A+3*45A
Start Input Voltage		200V	
MPPT Operating Voltage Range		180V-1000V	
Max. Number of PV Strings	2/2/2	2/2/2	2/2/2/2
No. of MPPTs	3	3	4
<b>Output (Grid)</b>			
Rated AC Active Power	30000W	40000W	50000W
Max. AC Apparent Power	33400VA	44500VA	55600VA
Max. AC Output Current	51A	67.4A	84.2A
Rated AC Voltage	380V/400V/415V, 3W+N+PE or 3W+PE		
AC Voltage Range①	320V-520V (Adjustable)		
Rated Grid Frequency	50Hz / 60Hz		
Grid Frequency Range②	45-55Hz / 55-65Hz (Adjustable)		
THDI	<3% (Rated Power)		
DC Current Injection	<0.5%In		
Power Factor	> 0.99 Rated power (Adjustable 0.8 LD - 0.8LG)		
<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 II / AC Type II		
Insulation Detection	Yes		
Leakage Current Protection	Yes		
PV String Monitoring	Optional		
Consumption Monitoring	Optional		
<b>General</b>			
Topology	Transformerless		
IP Rating	IP66		
Night Self Consumption	<5W (Standard)		
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)	635mm*530mm*224mm		
Weight	36Kg	40Kg	42Kg
<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		
<b>Warranty</b>	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.