

 **ANCHOR**
by **Panasonic**

SAFE AND RELIABLE

**RESIDENTIAL
PV INVERTER**

4.2k~6KTLX

- Easy usability - Plug & Play
- Quick configuration with OLED Display
- Reliable Performance with 98.4% maximum efficiency
- Dual MPPT for better shade performance
- Lightweight, Compact & IP 65 Encloure- Ideal for residential setups



Datasheet	4.2KTLX	5KTLX	6KTLX
Input Parameters (DC)			
Max. recommended PV power (for module STC)	5880W	7000W	8100W
Max. DC voltage	550V	550V	550V
Start voltage	100V		
Nominal voltage	360V		
MPPT voltage range	80V-550V	80V-550V	80V-550V
No. of MPPT	2		
No. of PV strings per MPPT	1		
Max. input current per MPPT	12.5A		
Max. short-circuit current per MPPT	16A		
Output Parameters (AC)			
AC nominal power	4200W	5000W	6000W
Max. AC apparent power	4200VA	5000VA	6000VA
Nominal AC voltage (range)	230V (180-280V)		
AC grid frequency (range)	50Hz (45-55Hz)		
Max. output current	19A	22.7A	27.2A
Adjustable power factor	0.8leading...0.8lagging		
THDi	<3%		
AC grid connection type	Single phase		
Product Efficiency			
Max. efficiency	98.4%	98.4%	98.4%
European efficiency	97.5%	97.5%	97.5%
MPPT efficiency	99.9%		
System Protections			
DC reverse polarity protection	Yes		
DC switch	Yes		
AC/DC surge protection	Type II / Type III		
Insulation resistance monitoring	Yes		
AC short-circuit protection	Yes		
Ground fault monitoring	Yes		
Grid monitoring	Yes		
Anti-islanding protection	Yes		
Residual-current monitoring unit	Yes		
General Data			
Dimensions (W / H / D)	375/350/160mm		
Weight	10.8kg		
Operating temperature range	-25°C ... +60°C		
Noise emission (typical)	≤35 dB(A)		
Nighttime power consumption	< 1W		
Topology	Transformerless		
Cooling	Natural convection		
Protection degree	IP65		
Relative humidity	0-100%		
Altitude	4000m		
DC connection	H4		
AC connection	Connector		
Display	OLED+LED/WIFI+APP		
Interfaces: RS485 /USB/Wi-Fi/GPRS	Yes/Yes/Optional/Optional		
Warranty	10 years		
IEC 61000, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 62109, IP 65			

* The AC voltage and frequency range may vary depending on specific country grid standard. All specifications are subject to change without notice.

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Information on how to install and operate this product is available in the installation instruction. All values indicated in this data sheet are subject to change without prior announcement. The specifications may vary slightly. Color differences of the product relative to the figures as well as discolorations of/in the products which do not impair their proper functioning are possible and do not constitute a deviation from the specification.