

 **ANCHOR**  
by **Panasonic**

**SAFE AND RELIABLE**

**RESIDENTIAL  
PV INVERTER**

1K~3.3KTLX

- Easy usability - Plug & Play
- Quick configuration with OLED Display
- Reliable Performance with 97.6% maximum efficiency
- Lightweight, compact & Low Noise- Ideal for residential setups
- IP 65 Enclosure for outdoor installations



Datasheet	1KTLX	2KTLX	3KTLX	3.3KTLX
<b>Input Parameters (DC)</b>				
Max. recommended PV power (for module STC)	1400W	2800W	4200W	4290W
Max. DC voltage	500V	500V	550V	550V
Start voltage	50V	50V	80V	80V
Nominal voltage	180V	360V	360V	360V
MPP voltage range	50V-500V	50V-500V	65V-550V	65V-550V
No. of MPPT	1			
No. of PV strings per MPPT	1			
Max. input current per MPPT	13A			
Max. short-circuit current per MPPT	16A			
<b>Output Parameters (AC)</b>				
AC nominal power	1000W	2000W	3000W	3300W
Max. AC apparent power	1000VA	2000VA	3000VA	3300VA
Nominal AC voltage (range)	230V (180-280V)			
AC grid frequency (range)	50Hz (45-55Hz)			
Max. output current	4.8A	9.5A	14.3A	14.3A
Adjustable power factor	0.8leading...0.8lagging			
THDi	<3%			
AC grid connection type	Single phase			
<b>Product Efficiency</b>				
Max. efficiency	97.4%	97.4%	97.6%	97.6%
European efficiency	96.5%	97.0%	97.1%	97.1%
MPPT efficiency	99.9%			
<b>System Protections</b>				
DC reverse polarity protection	Yes			
DC switch	Yes			
AC/DC surge protection	TypeIII/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			
<b>General data</b>				
Dimensions (W / H / D)	274/254/138mm			
Weight	6kg	6kg	6.2kg	6.2kg
Operating temperature range	-25 °C ... +60 °C			
Noise emission (typical)	≤25 dB(A)			
Nighttime power consumption	<0.5W			
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				