

ANCHOR by **Panasonic**



SAFE AND RELIABLE

GRID TIE INVERTER

3K~15KTL3X

- Reliable Performance with 98.6% maximum efficiency
- Dual MPPT for better shade performance
- Designed for C5 Corrossion Protection
- IP 66 Enclosures
- Plug & Play device with Quick configuration through OLED Display
- 25 Years Data Storage over cloud



Datasheet	3KTL3X	4KTL3X	5KTL3X	6KTL3X	8KTL3X
Input Parameters (DC)					
Max. recommended PV power (for module STC)	4500W	6000W	7500W	9000W	12000W
Max. DC voltage	1100V				
Initial voltage	200V				
Nominal voltage	580V				
MPPT voltage range	1000V				
No. of independent MPPT	2				
No. of PV strings per MPPT	1				
Max. input current per MPPT	13A				
Max. short circuit current per MPPT	16A				
Output Parameters (AC)					
AC nominal power	3000W	4000W	5000W	6000W	8000W
Max. AC apparent power	3300VA	4400VA	5500VA	6600VA	8800VA
Nominal AC voltage/range	230V/400V (340-440V)				
AC grid frequency (range)	50Hz(45-55Hz)				
Max. output current	5.0A	6.7A	8.3A	10.0A	13.3A
Power factor	0.8 leading... 0.8 lagging				
THDi	<3%				
AC grid connection type	3W+N+PE				
Product Efficiency					
Max. Efficiency	98.3%	98.3%	98.3%	98.3%	98.6%
Euro Efficiency	97.5%	97.5%	97.5%	97.5%	98.1%
MPPT Efficiency	99.9%				
System Protection					
DC reverse-polarity protection	Yes				
DC Switch	Yes				
DC Surge protection	Type II				
Insulation resistance monitoring	Yes				
AC surge protection	Type II				
Output 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) in mm	425/387/147mm	425/387/147mm	425/387/147mm	425/387/147mm	425/387/178mm
Weight	12.5 kg	12.5 kg	12.5 kg	12.5 kg	14 kg
Operating temperature range	-25°C ... +60°C (with derating above 45°C /113°F)				
Self-Consumption	<1W				
Topology	Transformerless				
Cooling	Natural convection				
Degree of protection	IP 66				
Altitude	4000m				
Relative Humidity	0-100%				
Features					
DC connection	H4				
AC connection	Connector				
Display	OLED+LED WIFI+APP				
Interfaces: USB/RS485/WIFI/GPRS	Yes/Yes/Opt/Opt				
Warranty	10 years				

Datasheet	9KTL3X	10KTL3X	12KTL3X	15KTL3X
Input Parameters (DC)				
Max. recommended PV power (for module STC)	13500W	15000W	18000W	22500W
Max. DC voltage	1100V			
Initial voltage	200V			
Nominal voltage	580V			
MPPT voltage range	1000V			
No. of independent MPPT	2			
No. of PV strings per MPPT	1	1	2/1	2/1
Max. input current per MPPT	13A	13A	26/13	26/13
Max. short circuit current per MPPT	16A	16A	32/16	32/16
Output Parameters (AC)				
AC nominal power	9000W	10000W	12000W	15000W
Max. AC apparent power	9900VA	11000VA	13200VA	16500VA
Nominal AC voltage (range)	230V/400V (340-440V)			
AC grid frequency (range)	50 Hz (45-55Hz)			
Max. output current	15.0A	16.7A	20A	25A
Power factor	0.8 leading... 0.8 lagging			
THDi	<3%			
AC grid connection type	3W+N+PE			
Product Efficiency				
Max. efficiency	98.6%			
Euro Efficiency	98.1%	98.1%	98.2%	98.2%
MPPT Efficiency	99.9%			
System Protections				
DC reverse-polarity protection	Yes			
DC Switch	Yes			
DC Surge protection	Type II			
Insulation resistance monitoring	Yes			
AC surge protection	Type II			
Output 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) in mm	425/387/178mm	425/387/178mm	425/387/178mm	425/387/178mm
Weight	14 kg	14 kg	16 kg	16 kg
Operating temperature range	-25°C ... +60°C			
Noise emission (typical)	≤35 dB(A)			
Self-Consumption	<1W			
Topology	Transformerless			
Cooling	Natural convection			
Degree of protection	IP 66			
Altitude	4000m			
Relative Humidity	0-100%			
Features				
DC connection	H4			
AC connection	Connector			
Display	OLED+LED WIFI+APP			
Interfaces: USB/RS485/WIFI/GPRS	yes/yes/opt/opt			
Warranty	10 years			
IEC 61000, IEC 61727, IEC 62116, IEC 60068, IEC 61683, IEC 62109, IP 66				

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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.