

 **ANCHOR**
by **Panasonic**



SAFE AND RELIABLE

**GRID TIED
PV INVERTER**

LUMINA-20K~25KTL3X

- Reliable Performance with 98.77% maximum efficiency
- Dual MPPT for better shade performance
- Lightweight and Compact Design
- IP 65 Enclosures
- Plug & Play device with Quick configuration through OLED Display
- Export Control Feature Available
- 25 Years Data Storage over cloud



Datasheet	LUMINA-20KTL3X	LUMINA-25KTL3X
Input Parameters (DC)		
Max. recommended PV power (for module STC)	30000W	37500W
Max. DC voltage	1100V	
Start voltage	250V	
Nominal voltage	580V	
MPPT voltage range	160V-1000V	
No. of MPPT	2	
No. of PV strings per MPPT	2	2/3
Max. input current per MPPT	25A	25A/37.5A
Max. short circuit current per MPPT	32A	32A/48A
Output Parameters (AC)		
Rated AC output power	20000W	25000W
Max. AC apparent power	22000VA	27700VA
Nominal AC voltage (range)	230V/400V (340-440V)	
AC grid frequency (range)	50Hz (45-55Hz)	
Max. output current	31.9A	40.2A
Adjustable power factor	0.8leading...0.8lagging	
THDi	<3%	
AC grid connection type	3W+ N+ PE	
Product Efficiency		
Max. efficiency	98.75%	
European efficiency	98.6%	
MPPT efficiency	99.9%	
System Protections		
DC reverse polarity protection	Yes	
DC Switch	Yes	
AC/DC surge protection	TypeII/Type II	
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)	525/395/222mm	
Weight	23kg	
Operating temperature range	-25 °C ... +60 °C	
Noise emission (typical)	≤40 dB(A)	
Self-Consumption (night)	<1W	
Topology	Transformerless	
Cooling	Smart air cooling	
Protection degree	IP65	
Relative Humidity	0-100%	
Altitude	4000m	
DC connection	H4	
AC connection	Cable gland+OT terminal	
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		

Panasonic Life Solutions India Pvt. Ltd.

Registered Office : 12th Floor, Ambience Tower, Ambience Island, NH-48, Gurugram, Haryana - 122 002.

For queries and communication : 3rd Floor, B Wing, I-Think Techno Campus, Pokhran Road No 2, Thane (west) - 400607, Maharashtra.

T: (9122) 42228888 | F: (9122) 42228888 | Customer care no.: (022) 41304130 | WhatsApp No: 91360 28606 | Email: solar@in.panasonic.com | www.isin.panasonic.com

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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.