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by **Panasonic**



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





LUMINA-20K~25KTL3X

Doc. No.: Lumina_GridTie_3Ph_20-25kW_00

Datasheet	LUMINA-20KTL3X	LUMINA-25KTL3X
nput Parameters (DC)		
1ax. recommended PV power	30000W	37500W
for module STC) Max . DC voltage		1100V
Start voltage	250V	
Nominal voltage	580V	
1PPT voltage range	160V-1000V	
No. of MPPT	2	
No. of PV strings per MPPT	2	2/3
1ax. input current per MPPTT	25A	25A/37.5A
Max. short circuit current per MPPT	32A	32A/48A
Output Parameters (AC)		
Rated AC output power	20000W	25000W
1ax . AC apparent power	22000VA	25000W 27700VA
Nominal AC voltage (range)		400V(340-440V)
AC grid frequency (range)	50Hz (45-55Hz)	
flax . output current	31.9A	40.2A
Adjustable power factor	0.8leading0.8lagging	
THDi	<3%	
AC grid connection type	3W+ N+ PE	
Product Efficiency		
1ax .efficiency	98.75%	
European efficiency	98.6%	
1PPT efficiency		99.9%
System Protections		
OC reverse polarity protection	Yes	
OC Switch	Yes	
AC/DC surge protection	Type /Type	
	Typell/Type II	
nsulation 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	
loise emission(typical)	≤40 dB(A)	
Self-Consumption(night)	<1W	
opology	Transformerless	
Cooling	Smart air cooling	
Potection degree	IP65	
Relative Humidity	0~100% 4000m	
Altitude OC connection	4000m	
AC connection	H4 Cable gland+0T terminal	
Display	OLED+LED/WIFI+APP	
nterfaces: RS485 /USB/Wi-Fi/GPRS	Yes/Yes/Optional/Optional	
Varranty		10 years

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