

EESOLAR-10KTL-LC0

# Smart Single Phase Hybrid Inverter



## Active Safety

Active Arcing Protection



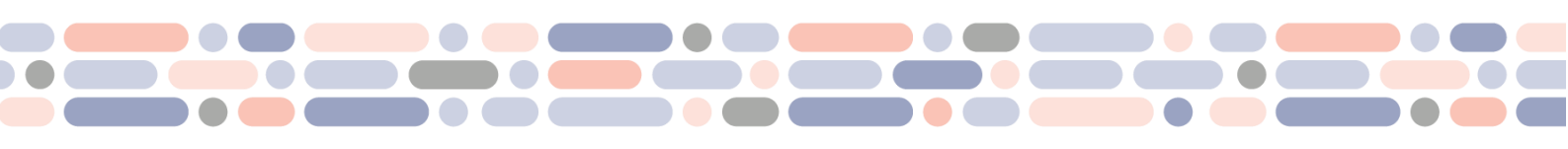
## Higher Yields

Up to 30% More Energy



## Flexible Communication

WLAN, Fast Ethernet



Technical Specification	EESOLAR-10KTL-LCO
<b>Efficiency</b>	
Max. efficiency	98.1%
European weighted efficiency	97.5%
<b>Input (PV)</b>	
Recommended max. PV power <sup>1</sup>	15,000 Wp
Max. input voltage	600 V
Startup voltage	50 V
MPPT operating voltage range	40 ~ 560 V
Rated input voltage	360 V
Max. input current per MPPT	16 A
Max. short-circuit current	20 A
Max. number of inputs	3
Number of MPP trackers	3
<b>Input (DC Battery)</b>	
Compatible battery	EESTORE Battery System 5kWh – 30kWh
Operating voltage range	350 ~ 560 Vdc
Max. operating current	25 A
Max. charge power	10,000 W
Max. discharge power	10,000 W
<b>Output (On Grid)</b>	
Grid connection	Single-phase
Rated output power	10,000 W
Max. apparent power	10,000 VA
Rated output voltage	220 Vac / 230 Vac / 240 Vac, L / N + PE
Max. output current	45.5 A
Rated AC grid frequency	50 Hz/60 Hz
Adjustable power factor	0.8 leading...0.8 lagging
Max. total harmonic distortion	≤ 3%
Backup power output	Yes (via compatible Backup Box)
<b>Features &amp; Protection</b>	
Anti-islanding protection	Yes
DC reverse polarity protection	Yes
Insulation monitoring	Yes
DC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643-11
AC surge protection	Yes, compatible with TYPE II protection class according to EN/IEC 61643-11
Residual current monitoring unit	Yes
AC overcurrent protection	Yes
AC short-circuit protection	Yes
AC overvoltage protection	Yes
Over-heat protection	Yes
Arc fault protection	Yes
Battery charging from grid	Yes
<b>General Data</b>	
Operating temperature range	-25°C to +60°C (-13 °F ~ 140 °F)
Relative operating humidity	0%-100% RH
Operating altitude	0-4,000 m (Derating above 2,000 m)
Cooling	Smart Air Cooling
Display	LED indicators; integrated WLAN + App
Communication	RS485, WLAN / Ethernet via EEDongleA-05
Weight	15 kg
Dimensions (W x H x D) (incl. mounting plate)	425 mm x 376.5 mm x 150 mm
Degree of protection	IP66
<b>Optimizer Compatibility</b>	
Compatible optimizer	SUN2000-450W-P2, SUN2000-600W-P
<b>Standards Compliance (More Available Upon Request)</b>	
Safety	RCM, IEC 62109-1&2, AS/NZS 60947.3:2015
Grid connection standards	AS/NZS 4777.2:2020, AS/NZS 4777.2:2015

\*1.The maximum input voltage is the upper limit of the DC voltage. Any higher input DC voltage would probably damage inverter.

Disclaimer: the preceding values are measured by an internal laboratory of Huawei in a specific environment. The actual values may vary with products, software versions, usage conditions, and environmental factors.