

EESOLAR-10KTL-LC0

Smart Energy Controller



Active Safety

Active Arcing Protection



Higher Yields

Up to 30% More Energy



Battery Ready

Plug & Play, Whole-house power backup

Technical Specification		EESOLAR-10KTL-LCO
		Efficiency
Max. efficiency		98.1%
European weighted efficiency		97.5%
		Input (PV)
Recommended max. PV power ¹		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
		Input (DC Battery)
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
		Output (On Grid)
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)
		Features & Protection
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
		General Data
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
		Optimizer Compatibility
Compatible optimizer		SUN2000-450W-P2, SUN2000-600W-P
		Standards Compliance (More Available Upon Request)
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.