

LESSO

LSBH(25~50)KTL3(-E1)

Three Phase PV Inverter

>> Models:

LSBH25KTL3

LSBH30KTL3

LSBH33KTL3

LSBH36KTL3

LSBH40KTL3

LSBH40KTL3-E1

LSBH50KTL3-E1



Efficient

- Max. efficiency 98.8%
- String current up to 16A
- 3/4 MPPT design, supports multiple orientation system design
- Night time PID recovery function, increases overall system yield (optional)
- Wide voltage range and low startup voltage

Smart

- Supports export power control
- Intelligent string monitoring, smart I-V curve scan
- Supports RS485, WiFi, GPRS
- Scan to register on Lesso PV cloud, supports remote upgrade and control

Safe

- IP66
- AFCI protection, proactively reduces fire risk
- Globally recognised branded componentry for longer life
- Intelligent redundant fan-cooling

Economic

- Supports GPRS/WiFi communication with less wiring and reduced installation costs
- > 150% DC/AC ratio
- Supports high power modules for lower installation costs
- Supports aluminium wire access to reduce cost

DATASHEET

	LSBH(25~40)KTL3					LSBH(40~50)KTL3-E1					
Models	25K	30K	33K	36K	40K	40K-HV	50K-HV				
Input DC											
Recommended max.PV power	37.5 kW	45 kW	49.5 kW	54 kW	60 kW	60 kW	75 kW				
Max. input voltage	1100 V										
Rated voltage	600 V										
Start-up voltage	180 V										
MPPT voltage range	200-1000 V										
Max. input current	32 A / 32 A / 32 A			4*32 A							
Max. short circuit current	40 A / 40 A / 40 A			4*40 A							
MPPT number/Max. input strings number	3/6			4/8							
Output AC											
Rated output power	25 kW	30 kW	33 kW	36 kW	40 kW	40 kW	50 kW				
Max. apparent output power	27.5 kVA	33 kVA	36.3 kVA	39.6 kVA	44 kVA	44 kVA	55 kVA				
Max. output power	27.5 kW	33 kW	36.3 kW	39.6 kW	44 kW	44 kW	55 kW				
Rated grid voltage	3L,N,PE, 220 V / 380 V, 230 V / 400 V					3L,PE, 480 V					
Rated grid frequency	50 Hz / 60 Hz										
Rated grid output current	38.0 A / 36.1 A	45.6 A / 43.3 A	50.1 A / 47.6 A	54.7 A / 52.0 A	60.8 A / 57.7 A	48.1 A	60.1 A				
Max. output current	41.8 A	50.2 A	55.1 A	60.2 A	66.9 A	53.0 A	66.2 A				
Power factor	>0.99 (0.8 leading - 0.8 lagging)										
THDi	<3%										
Efficiency											
Max. efficiency	98.5%		98.6%	98.7%		98.8%					
EU efficiency	98.1%		98.2%	98.3%		98.4%					
Protection											
DC reverse-polarity protection	Yes										
Short circuit protection	Yes										
Output over current protection	Yes										
Surge protection	DC Type II / AC Type II										
Grid monitoring	Yes										
Anti-islanding protection	Yes										
Temperature protection	Yes										
Strings monitoring	Yes										
I/V Curve scanning	Yes										
Integrated PID recovery	Optional										
Integrated AFCI (DC arc-fault circuit protection)	Yes ⁽¹⁾										
Integrated DC switch	Optional										
General Data											
Dimensions (W*H*D)	647*629*252 mm										
Weight	37 kg										
Topology	Transformerless										
Self-consumption (night)	<1 W										
Operating ambient temperature range	-25 ~ +60°C										
Relative humidity	0-100%										
Ingress protection	IP66										
Cooling concept	Intelligent redundant fan-cooling										
Max. operation altitude	4000 m										
Grid connection standard	G98 or G99, VDE-AR-N 4105 / VDE V 0124, EN 50549-1, VDE 0126 / UTE C 15 / VFR:2019, RD 1699 / RD 244 / UNE 206006 / UNE 206007-1, CEI0-21, C10/11, NRS 097-2-1, EIFS 2018.2, IEC 62116, IEC 61727, IEC60068, IEC 61683, EN 50530										
Safety/EMC standard	IEC/EN 62109-1/-2, IEC/EN 61000-6-1/-2/-3/-4										
Features											
DC connection	MC4 connector										
AC connection	OT terminal										
Display	LCD, 2x20 Z.										
Communication	RS485, Optional: Wi-Fi, GPRS										

(1) Activation required.