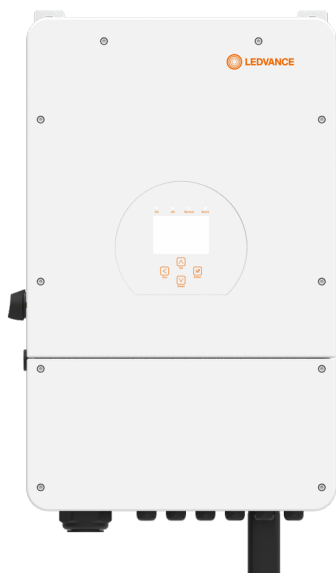




LHS-LV-8K F1

Single Phase Hybrid Inverter

- Colorful touch LCD, IP65 protection degree
- DC couple and AC couple to retrofit existingsolar system
- Max. 16 pcs parallel for on-grid and off-grid operation;Support multiple batteries parallel
- Max. charging/discharging current of 190A
- 6 time periods for battery charging/discharging
- Support storing energy from diesel generator

Model	LHS-LV-8K
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Battery Input Data	
Battery Type	Lead-acid or Lithium-ion
Battery Voltage Range (V)	40-60
Max. Charging Current (A)	190
Max. Discharging Current (A)	190
External Temperature Sensor	Yes
Charging Curve	3 Stages / Equalization
Charging Strategy for Li-Ion Battery	Self-adaption to BMS

PV String Input Data	
Max. DC Input Power (W)	10400
Rated PV Input Voltage (V)	370 (125-500)
Start-up Voltage (V)	125
MPPT Voltage Range (V)	150-425
Full Load DC Voltage Range (V)	200-425
PV Input Current (A)	26+26
Max. PV Isc (A)	44+44
No. of MPP Trackers	2
No. of Strings per MPP Tracker	2+2

AC Output Data	
Rated AC Output Active Power (W)	8000
Max AC Output Active Power (W)	8800
AC Output Rated Current (A)	36.4/34.8
Max. AC Output Current (A)	40/38.3
Max. Continuous AC Passthrough (A)	50
Peak Power (off grid)	2 time of rated power, 10 S
Power Factor Adjustment Range	0.8 leading to 0.8 lagging
Power Factor	1
Output Frequency and Voltage	L/N/PE 220/230Vac
Grid Type	Single Phase
Total Harmonic Distortion (THD)	<3% (of nominal power)
DC Current Injection	<0.5% In

Model	LHS-LV-8K
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Efficiency	
Max. Efficiency	97.60%
Euro Efficiency	97.00%
MPPT Efficiency	99.90%

Protection	
Integrated	Anti-islanding Protection, PV String Input Reverse Polarity Protection, Insulation Resistor Detection, Residual Current Monitoring Unit, Output Over Current Protection, Output Shorted Protection, Surge Protection
Output Over Voltage Protection	DC Type II/AC Type III

Certifications and Standards	
Grid Regulation	VDE4105, IEC61727/62116, VDE0126, AS4777.2, CEI 0 21, EN50549-1, G98, G99, C10-11, UNE217002, NBR16149/NBR16150
Safety EMC / Standard	IEC/EN 61000-6-1/2/3/4, IEC/EN 62109-1, IEC/EN 62109-2, UL 1741

General Data	
Operating Temperature Range (°C)	-40-60 °C, >45 °C Derating
Cooling	Smart Cooling
Noise (dB)	≤30 dB
Communications with BMS	RS485; CAN
Weight (kg)	32
Size (mm)	420×670×233 (W×H×D)
Protection Degree	IP65
Installation Style	Wall-mounted
Warranty	10 Years