



Technical Specifications

All-in-one Solar Energy Storage Inverter

3.6kW

5kWh

MPPT

Pure Sine Wave

PARAMETER	SPECIFICATION
Model	LD-LHFES-3.6KW-5kwh
AC INPUT	
Rated Input Voltage (VAC)	208/220/230/240; L + N + PE
Voltage Range (VAC)	90~280 (APP/GEN mode); 170~264 (UPS mode)
Frequency (Hz)	50/60 (Auto Adaptive)
AC OUTPUT	
Rated Capacity (kVA/kW)	3.6
Surge Power (kVA)	7.2
Voltage (VAC)	208/220/230/240
Power Factor (PF)	1
Frequency (Hz)	50/60
Switch Time (ms)	10 (APP/UPS mode) / 20 (GEN mode)
Wave Form	Pure Sine Wave
Overload Capacity (Battery Mode)	1min@102%-110% load, 10s@110%-200% load
Max. Efficiency (Battery Mode)	92.7%@24VDC
Parallel Quantity	NA
BATTERY PACK	
Battery rated input voltage	25.6VDC
Float charge voltage	27V
Battery Type	Lithium iron phosphate battery
Built-in battery specifications	25.6V 225Ah (lithium iron phosphate battery)
CHARGER (PV / AC)	
Solar Charger Type	MPPT
Max. PV Input Current (A) / Input Power(W)	18/5000
MPPT Range@Operating Voltage (VDC)	40~450
Max. PV Open Circuit Voltage (VDC)	500
Max. PV Charge Current (A)	100
Max. AC Charge Current (A)	100
Max. Charge Current (PV + AC) (A)	100
INTERFACE	
HMI	LCD
Interface	RS485 / CAN / RS232
Monitoring	WiFi (optional/built-in/external)
GENERAL DATA	
Ingress Protection	IP21
Operating Temperature (°C)	-10~60
Relative Humidity	5% ~ 95% (Non-condensing)
Storage Temperature (°C)	-15~60
Net Weight (kg)	55kg
Gross Weight (kg)	60kg
Dimensions (H*W*D) (mm)	610×419×323mm
Packaging Dimensions (H*W*D) (mm)	650×480×383mm