















SOLAR INVERTER

IVEM-LV 3024-5048 SERIES

-  Pure sine wave inverter.
-  Built-in MPPT solar charge controller.
-  Configurable input voltage range for home appliances and personal computers via LCD setting.
-  Configurable battery charging current based on applications via LCD setting.
-  Configurable AC/Solar Charger priority via LCD setting.
-  Compatible to mains voltage or generator power.
-  Auto restart while AC is recovering.
-  Parallel connection quantity up to 6 units for 5KVA model (Battery must be connected).
-  Intelligent fan control greatly reduces fan noise.
-  Lithium battery activation function.
-  Inverter running without battery.
-  Cold start function.

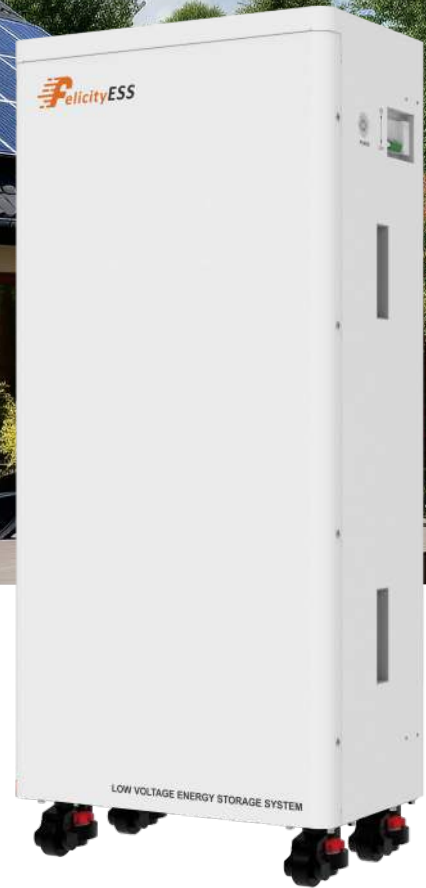
Specification

Model	IVEM3048-LV	IVEM5048-LV
Line Mode Specifications		
Rated Output Power(VA)	3000VA	5000VA
Rated Output Power(W)	3000W	5000W
Nominal DC Input Voltage	48V	48V
Input Voltage Waveform	Sinusoidal (utility or generator)	
Nominal Input Voltage	110Vac	
Nominal Input Frequency	50Hz / 60Hz (Auto detection)	
Efficiency (Line Mode)	>95% (Rated R load, battery full charged)	
Pass Through Without Battery	Yes	
Utility Charge Mode Specifications		
Nominal Input Voltage	110Vac	
Input Voltage Range	65-140Vac	
Max. Charge Current	60A	100A
Over Charge Protection	Yes	
Solar Charging & Grid Charging		
Max. PV Open Circuit Voltage	500V	
PV Voltage Working Range	90V-500V	
Max. Input Power	4000W	6000W
Max. Solar Charging Current	60A	100A
Max. Charging Current(PV+Grid)	60A	100A
Max. Input Current	15A	20A
Min. Startup Voltage	100V	
Inverter Mode Specifications		
Rated Output Power(VA)	3000VA	5000VA
Rated Output Power(W)	3000W	5000W
Nominal Output Voltage	110Vac±5%	
Nominal Output Frequency (Hz)	50+0.3Hz/60Hz±0.3Hz(Adjustable)	
Parallel capability	No	Yes, up to 6 units
Peak Efficiency	93%	
Over-Load Protection (SMPS load)	5.5s@≥150%load;10.5s@105%~150%load	
General Specifications		
Net Weight(KG)	11.9KG	13.1KG
Gross Weight(KG)	14.2KG	15KG
Product Dimension(D*W*H)	440x328x130MM	460x343x137MM
Package Dimension(D*W*H)	542x400x224MM	562x443x231MM



LUX-Y Battery Pack

LUX-Y-48280/48300LG01



Product Features



Higher safe performance and longer cycle life



Multiple Protection:
Built-in smart BMS,
Breaker and Fuse



Flexible Installation:
Wall-Mounted or
Floor-Mounted



Aerosol Fire
Extinguishing
System



Wide Compatibility:
Compatible with
leading inverter brands



High Scalability



Built-in WIFI:
Remote monitor of
the battery pack data



Long Warranty:
10 Years

Specification

Model	LUX-Y-48280LG01	LUX-Y-48300LG01
Battery Type	LiFePO4	
Nominal Energy	14.3kWh	15kWh
Nominal Capacity	280Ah	300Ah
Nominal Voltage	51.2V	
Operating Voltage	44.8~57.6V	
Recommend Charge/Discharge Current	120A	
Max.continuous charge/Discharge current[1]	150A	
Peak Charge/Discharge Current(15s)	200A	
Scalability	Max.15(215kWh)	Max.15(225kWh)
Depth of Discharge(DOD)	≥95%	
Display type	LCD	
Protection Level	IP21	
Working Temperature Range	Charge: 0°C~ +55°C	
	Discharge:-20°C~ +55 °C	
Storage Temperature Range	0°C~ +35°C	
Humidity	5%-95%	
Altitude	≤2000m	
Communication	RS485 / CAN	
Cycle Life[2]	≥ 6000 Cycles	
Installation	Wall-Mounted / Floor-Mounted	
Protection	Built-in smart BMS, Breaker, Fuse	
Warranty Period[3]	10Years	
Product Weight Approximate	135kg	
Package Weight Approximate	160kg	
Product Dimension	480x1100x300mm	
Package Dimension	1150x635x498mm	

[1] Max.continuous charge/Discharge current is affected by temperature and SOC.

[2] Test conditions: 0.5C Charging/Discharging @25°C, 80% DOD, 60%EOL.

[3] Conditions apply, refer to FelicityESS Warranty Letter.