

OKAYA®



LITHIUM HOME ESS

ONE UNIT. TOTAL BACKUP.



SUPER Li-ion series

Okaya's Lithium Home ESS brings clean, reliable backup power in one compact unit, perfect for modern homes and small businesses. With the inverter and battery built together, there's no wiring hassle. It charges fast, lasts over 3,000 cycles for long-term savings, and runs without noise or fumes.

KEY FEATURES



COMPACT DESIGN
& LIGHT WEIGHT



LONGER
LIFE CYCLE



SMART BATTERY
MANAGEMENT SYSTEM



FASTER
CHARGING

Available Range:
1000VA-12.8V (100Ah Battery)
2400VA-25.6V (100Ah Battery)

*Product images are for representation purpose only.

PRODUCT SKUs#

PRODUCT NAME	ESS 1250	ESS 2950
SYSTEM DETAILS		
Battery Rating	12.8V, 100AH	25.65V, 100AH
VA	1000	2400
WATT	800	1920
Max. Output Nominal Current	2.7 Amp	6.8 Amp
Application	Inverter	
Weight (in Kg)	25	46
Dimensions (mm)	280x320x340	400x400x470
Installation	Wall mount	
MAINS (GRID) MODE NORMAL MODE (WIDE WINDOW)		
Grid Range	90VAC-290VA±15VAC	
MAINS (GRID) MODE UPS MODE (NARROW WINDOW)		
Grid Range	180VAC-265VAC	±5VAC
BATTERY CHARGING		
Grid Charging Current to Battery	18 Amp	25 Amp
OUTPUT PARAMETERS		
Wave form type	Pure Sine Wave	
Output Voltage Regulation throughout Battery range/Load	220V±10%	
Output Frequency	50Hz±0.5Hz	
Overload Protection	Provided at >100% with manual reset	
Low Battery Protection	Provided at <11.3V with manual reset	Provided at <22.6V with manual reset
Short Circuit Protection	Provided at >300% with manual reset	
CHANGE OVER TIME (APPROX)		
In UPS Mode	<12 millisecond	
In Normal Mode	<50 millisecond	
BATTERY PARAMETER		
Boost Voltage/ Float	14.2V±0.2V/ 14V±0.2V	28.4V±0.4V/ 28V±0.4V
Low Battery Alarm/ Cut	11.7V±0.2V/ 11.3V±0.2V	23.4V±0.4V/ 22.6V±0.4V
Battery Type	Lithium-ion (* as per system specifications)	
ENVIRONMENT		
Forced Cooling	Through DC Cooling FAN	
Humidity	0-90% non condensing	
Operating & Storage Temperature	0-40° C	
LCD DISPLAY PARAMETERS		
DUAL DISPLAY LCD+LED (GRAPHICAL REPRESENTATION) DUAL COLOUR LCD	LCD shows - Mains Voltage, Load Voltage, Battery Voltage, Battery Current, protection display, Mains HI, Mains Low Status	
SWITCH		
Switches	Switch 1 : Power ON/OFF Switch 2 : UPS/NOR Mode	

#Subject to change without prior intimation

OKAYA POWER PRIVATE LIMITED

Corporate office: D-7, Udyog Nagar, Rohtak Road, New Delhi -110041

9818 90 90 90

www.okaya.in

care@okaya.in