

OKAYA®



Lithium-ion Batteries

Built for Home-UPS and Solar Hybrid applications

For decades, Okaya has powered homes with dependable energy solutions. Now, with the growing demand for cleaner energy, Okaya introduces its **next-generation Lithium-ion Batteries** designed to deliver unmatched reliability, compact design, and intelligent performance.



HEAVY DUTY Li-ion SERIES

Built for home and business solar storage, comes with IP65 protection. Works with hybrid and off-grid systems.

Available in 100Ah-51.2V, 200Ah-51.2V, 100Ah-25.6V, and 200Ah-25.6V.



SMART Li-ion SERIES

Ideal for homes, offices, and commercial spaces, comes with IP21 protection. Designed for Okaya Home UPS Lithium models.

Available in 100Ah-12.8V, 100Ah-25.6V.

KEY FEATURES



ZERO
MAINTENANCE



COMPACT DESIGN
& LIGHT WEIGHT



LONGER
LIFE CYCLE



SMART BATTERY
MANAGEMENT SYSTEM



FASTER
CHARGING

*Product images are for representation purpose only.

PRODUCT SKUs[#]

PRODUCT NAME	OPLI51-10060	OPLI51-20060	OPLI25-10060	OPLI25-20060	OPLI12-19060	OPLI24-19060
ELECTRICAL CHARACTERISTICS						
Nominal Voltage	51.2	51.2	25.6	25.6	12.8	25.6
Nominal Capacity	100Ah	200Ah	100Ah	200Ah	100Ah	100Ah
Energy	5120Wh	10240Wh	2560Wh	5120Wh	1280Wh	2560Wh
Battery Chemistry	Lithium Iron Phosphate (LFP)					
BMS	Smart					
Cycle Life	6000 cycle @ 80% DOD, 25°C/0.5C				3000 cycle @ 80% DOD, 25°C/0.5C	
Operating Voltage (Min-Max) (V)	45.6 - 56.16		22.4 - 28.08		10.0-14.4 (±0.4)	20.0-28.8 (±0.8)
Communication Interfaces	RS232, CAN, RS485				LED Indicator	
CHARGE & DISCHARGE						
Recommended charging/Discharging current	100A	200A	50A	100A	30A/100A	
Maximum continunous charge/discharge current	200A	200A	100A	200A	50A/100A	
Conversion efficiency	99%, 25°C/0.5C					
MECHANICAL						
Dimension (LxWxD) in mm	520x470x141.5	800x590x142	403x396x145	518x506x145	355x192.5x190 ±0.15	460x247.5x190 ±0.15
Weight (in Kg)	48.45	98	29	47	12.5±0.5	22±0.5
Installation	Wall mount	Wall mount or floor	Wall mount	Wall mount	Floor	Floor
CERTIFICATION	CB, IEC62619, UL1973, UKCA, CE-EMC, CE-GPSD, EN62619, UN38.3, MSDS		CB, CE-EMC, CEIO-21, ROHS, REACH		IEC 62619, IEC 62133-2-2017, UN 38.4	
ENVIRONMENTAL						
Environment	Indoors/ under the outdoor eaves				Indoor	
Charging & Discharging Temperature	0 to 60°C					
Storage Temperature & Humidity	20°C and 45°C, Humidity: > 65				0-55°C	
Altitude	≤3000 m		≤2000 m		≤2000 m	
Cooling Method	Natural Convection					
IP Rating	IP65				IP21	
Application	Solar				Non-Solar	

#Subject to change without prior intimation

ADVANCED PROTECTIONS:

- Over Charge Protection
 - Over Discharge Protection
 - Deep Discharge Protection
 - Cell level Protection & Balancing
- Thermal Protection
 - Short Circuit Protection
 - Current & Voltage Protection



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