



ED3000-EO / ED5000-EO
Off Grid Hybrid Inverter

Product Features



Suitable for customizing various PV Energy Storage System



Max. 6pcs in parallel (Only ED5000-EO)



Automatic activation of LiFePO4 battery pack



Compatible with almost all 48V LiFePO4 battery pack



Multiple operating modes, off-grid and UPS, MPPT charger built-in



Integrated smart APP, can remotely diagnose and update

Technical Specification

Model	ED3000-EO	ED5000-EO
Battery Data		
Battery Type	Lithium / Lead-Acid	
Nominal Battery Voltage (V)	24	48
Max. Continuous Charging Current (A)(A)	120	80
Max. Charge Power (W)	3200	4500
Max. Discharge Power (W)	3000	5000
PV String Input Data		
Max. Input Power (W)	4000	6000
Max. Input Voltage (V)	150	500
MPPT Operating Voltage Range (V)	120-430	
Start-up Voltage (V)	150	
Nominal Input Voltage (V)	300	
Number of MPPT Trackers	1	
Number of Strings per MPPT	1	
AC Output Data		
Rated Power (W)	3000	5000
Nominal Output Current (A)	13.6	21.7
Nominal Output Voltage (V)	220 / 230 / 240	
Nominal Output Frequency (Hz)	50 / 60	
Output THDv (@Linear Load)	<3%	
Conversion Efficiency		
Max. Efficiency	93.6%	
MPPT Efficiency	99.9%	
Protection		
AC Over current Protection	Integrated	
AC Short Circuit Protection	Integrated	
AC Over voltage Protection	Integrated	
Remote Shutdown	Integrated	
Environmental / Ambient Conditions		
Operating Temperature Range (°C)	0 ~ 50	
Excess Temperature Behaviour	continuous power reduction (derating)	
Relative Humidity	0 to 95 % (climate class 4k6), non-condensing	
Installation Altitude above Sea Level	up to 2000 m above sea level	
Installation Location	Inside	
Cooling Method	Air Cooling	
Mechanical Data		
Dimensions (W × H × D mm)	300x485x120	300x485x120
Weight (kg)	9±0.5	9.5±0.5
IP Code	IP20	
Installation Type	Wall Mounted	
Communications		
Display	LCD, WLAN + APP	
Monitoring Settings	Integrated data logger	
Communication with BMS	CAN	
Communication with Portal	Wifi	
Other Data		
Topology	Transformerless	
Reliability	Integrated	
Manufacturer's Warranty	2Years	