



ECOLAX(SINGLE-PHASE)

- 2 MPPTs, Max. 9kW PV input
- Expandable storage – Up to 16pcs in parallel
- Battery module level mornitoring
- On/off-grid switching
- Remote monitoring and firmware updates with battery
- PV or AC or Generator wake up battery



INVERTER MODULE		
Input (PV DC)		
Max. PV array power (W)	8000(4000/4000)	
Rated PV input voltage (V)	320	
Number of Independent MPPT inputs	2/(1:1)	
pV Input voltage Range (V)	100~480	
MPPT voltage range (V)	120~385	
Start-up voltage (V)	100	
Max. PV Input current per MPPT (A)	17/17	
Max. PV short-circuit current per MPPT (A)	25/25	
Max. PV charging current (A)	125	
Battery Input		
Battery Volatge (V)	38.4~60	
Max. charging/discharging current (A)	125/140	
Max. charging/discharging power (W)	6000	
UPS output @ off-grid		
Output voltage waveform	Pure sine wave	
Output voltage regulation (V)	208/220/230/240±5%	
Output frequency (Hz)	50/60	
Rated output power (W)	6000	
Rated output current (A)	26.5	
Peak efficiency	93%	
Overload protection	5s@≥150% overload; 10s@110%~150% overload	
Surge power	2*Pn, 5s	
Parallel quantity	16pcs	
AC Input		
Nominal input voltage (V)	230	
Nominal input frequency (Hz)	50/60(Auto detection)	
Max. AC input current (A)	39.5	
Max. AC input power (W)	9000	
Max. AC charging current (A)	125	
AC Ouput @ Gird		
Rated AC output current (A)	26.5	
Rated AC output power (W)	6000	
Rated AC current of bypass relays (A)	60	
Switching time	Typical <10ms@Single; <30ms@Parallel	
Generator Input		
Rated GEN voltage (V)	220/230/240	
Rated GEN frequency (Hz)	50/60	
Rated GEN input Current (A)	32	
Rated GEN input Power (W)	7370	
Rated GEN current of bypass relays (A)	60	
Battery MODULE		
Battery power (kWh)	5.12	
Rated voltage (V)	51.2	
Rated capacity (Ah)	100	
Battery type	Lithium-ion	
Max. parellel (Default)	2PCS	
Max. discharging current (A)	100	
Max. charging current (A)	100	
Dimension (W*H*D) (mm)	580*434*165	
Net weight	54	
Standard	UN38.3, CE	
Protection/General Specifications		
Grid monitoring	YES	
AC surge protection type III	YES	
Safety certification	CE, UN38.3, NRS097	
Dimension(W*H*D) (mm)	580*1300*165(default)	
Weight	125.4kg/276.4lbs	
Ingress protection rating	IP20	
Display & Communication interface	LCD+LED, RS485/Wi-Fi/CAN	
Cooling method	Smart cooling	
Topology	Transformer-less	
Noise emission(typical) (dB)	<58	
Operating temperature range (°C)	0~45	
Storage temperature (°C)	-15~60	
Humidity	5% to 95% Relative Humidity (Non-condensing)	
Altitude (m)	<2000	
Standards & Certification		
NRS097-2-1:2024		

The logo for Holax Energy, featuring the word "Holax" in a stylized font with a green leaf-like shape above the 'x', and "ENERGY" in a smaller, sans-serif font to the right. Below "Holax" is the text "HOLAX HOLDING" in a very small font.