

ALL IN ONE
Single-Phase

Eco Beast

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



Specification

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	