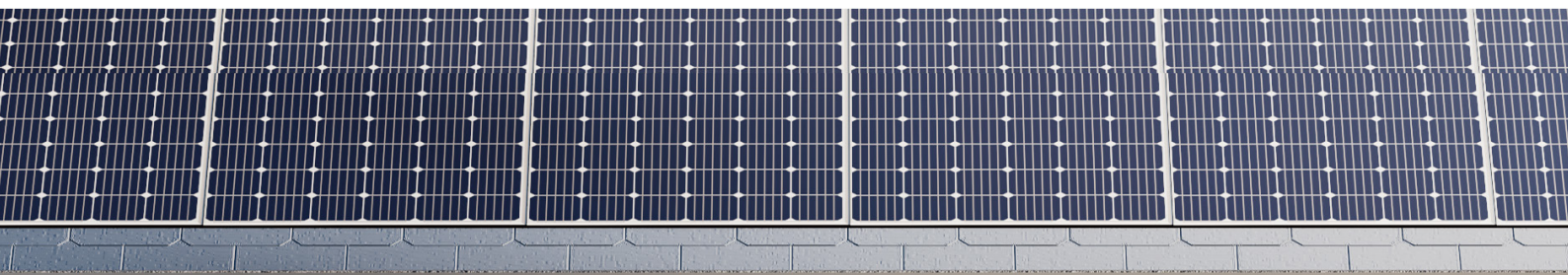


ECO HYBRID

SNA-3000WPV-120V

- 120V off-grid output.
- Supports up to 16 units in parallel.
- Maximum PV input voltage: 500V.
- 2 MPPTs, maximum PV input: 8kW.
- Maximum charge and discharge current: 70A.
- Dedicated generator port,
AC coupling or intelligent charge management.



Model	SNA-3000WPV-120V
Input(PV DC)	
Max. PV input 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 input per MPPT (A)	25/25
Battery	
Compatible battery type	Lithium-ion/Lead-Acid
Rated battery voltage (V)	48
Battery voltage range (V)	38.4~60
Max. charging/discharging current (A)	70
Max. charging/discharging power (W)	3000
Force wake up battery from PV function	YES
Force wake up battery from Grid function	YES
Gird	
Rated AC voltage(V)	120
Rated AC frequency (Hz)	50/60
Max. AC input current (A)	40
Max. AC input power (W)	4500
Max. continuous AC passthrough current (A)	60
GEN	
Rated GEN voltage (V)	120
Rated GEN frequency (Hz)	50/60
Rated GEN input current (A)	32
Rated GEN input power (W)	3500
UPS	
Rated output power (W)	3000
Rated output voltage (V)	120
Rated output current (A)	25
Rated output frequency (Hz)	50/60
Surge power, duration	2Pn, <2s
Switching time	<7ms@Single/<20ms@Parallel
Wave form	Sine wave
THDV	<3%
Efficiency	
Max. MPPT efficiency	99.9%
Max. efficiency	93.0%
Max. charge/discharge efficiency	93.0%
Protection	
Over current/voltage protection	YES
AC short-circuit current protection	YES
Grid monitoring	YES
AC Surge protection	Type III
Battery reverse polarity protection	YES
DC switch	YES
PV Arc Fault Detection	YES
General	
Dimensions (W*H*D)	330*505*135mm / 13*19.9*5.3 in
Weight	14.5kg/31.97lbs
Ingress protection rating	IP20
Operating environment temperature range (°C)	0~50
Storage temperature range (°C)	-15~60
Relative humidity	5%~95%
Display & Communication interface	LCD+LED, RS485/Wi-Fi/CAN
Warranty	2 years
Cooling method	Smart Cooling
Topology	Transformer-less
Altitude	<2000m
Noise emission(typical)	<50dB
Standards & Certification	