

All-In-One ESS



Feed-in to the Grid



ESS 6.5KW Inverter & 5kWh
LiFePO4 Battery



Dual MPPT with 17A Each with Max.
PV Input Power 9600W



ON / OFF Grid Switching



Expandable Up to 15kWh



Dual Output for Smart Load
Management



PV or AC or Generator
Wake Up Battery



User-friendly Touch Screen



Parallel Operation Up to 16 Units



6.5KW/5KWH



- < 15-min Quick Install
- < 10ms Off-Grid Switch
- < DC/AC Ratio up to 1.6
- < 5kWh/10kWh Optional



MODEL NAME	NURA6.5kW
INPUT (PV DC)	
Max. PV input power (W)	9600 (4800/4800)
Rated PV input voltage (V)	320
Number of independent MPPT inputs	2 / (1:1)
PV input voltage range (V)	100 ~ 500
MPPT voltage range (V)	120 ~ 400
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
Max. PV charging current (A)	140
Battery Input	
Battery voltage (V)	38.4 ~ 60
Max. charging /discharging current (A)	140
Max. charging /discharging power (W)	6500
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)	6500
Rated output current (A)	28.3
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)	140
AC Output @ Grid	
Rated AC output current (A)	28.3
Rated AC output power (W)	6500
Rated AC current of bypass relays (A)	60
Switching time	Typical<7ms@Single; <20ms@Parallel
Gen	
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. parallel (Default)	2PCS
Max. discharging current (A)	100
Max. charging current (A)	100
Dimension, W*H*D (mm)	580*434*165
Net weight (kgs)	54
Standard	
Protection / General Specifications	
Grid monitoring	YES
AC surge protection	Type III
Dimension, W*H*D (mm)	580*1300*165mm
Weight (kgs)	125.4
Ingress protection rating	IP21
Display & communication interface	Touch screen, 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