

LOW FREQUENCY OFF GRID INVERTER

SunPilot-UD-LV

- Low no-load loss, less than half of the high-frequency machine with the same power
- Pure sine wave output, can adapt to different loads
- Output short-circuit protection function
- Multiple parameters can be adjusted according to user needs
- Optional PWM/MPPT solar controller
- Optional BMS communication function
- Optional RS485 communication function



Features



Low no-load loss



Pure sine wave output



Multiple parameter



Output short-circuit
protection function



Optional PWM/MPPT
solar controller



Optional BMS /RS485
communication function

Low Frequency Off Grid Inverter(3kW)

Model	SP-UD-3024-LV
Rated Input Voltage	Single Phase 220VAC (Standard)/ Single Phase 110VAC / Split Phase 110V/220VAC (Customized)
Input Voltage Range	220V:154-264VAC±3V (APP Mode) 185-264VAC±3V (UPS Mode); 110V:77-132VAC±3V (APP Mode) 92-132VAC±3V (UPS Mode)
Input Frequency	50/60Hz±5%
Rated Output Power	3000W
Output Voltage at Utility Model	The output voltage is the same as the input voltage
Output Frequency at Utility Model	The output frequency is the same as the input frequency
Output Voltage at Inverter Model	220VAC±10% (110VAC±10%)
Output Frequency at Inverter Model	50HZ or 60HZ±1%
Output Waveform at Inverter Model	Pure Sine Wave
Battery Type	lead-acid battery/lithium battery
Battery Voltage	24VDC
Battery Charge Voltage	27.4VDC
Maximum PV Display Open-circuit Power	24V: 1600W
PV Input Voltage Range(PWM/MPPT)	24V: MPPT 30V-150VDC / PWM 30V-105VDC
Maximum PV Display Open-circuit Voltage	24V: MPPT 150VDC / PWM 105VDC
Optimal VMP Operating Range	24V: MPPT 30-105VDC / PWM 30-40VDC
MAX PV Charging Current	60A
MAX AC Charging Current	38A (Default 30A)/19A (Default 15A)
Transfer Time	≤10ms (UPS Mode) / ≤20ms CINV Mode)
Load Peak Ratio	(MAX) 3:1
Standby Power Consumption	Toroidal Transformer
	24V:16W
Protect Function	Under Utility Model: Input over current fuseless switch protection
	Under inverter Model: overload protection, short-circuit protection, low voltage protection, battery reverse connection protection (fuse)
Status Display	LED Display
	AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage, load current, etc.
	LED Display: Power supply/ inverter status/ charging status, faultstatus.
Voice Prompt	Buzzer according to the fault code, the alarm sound is different, with a long and short tone to distinguish between
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~45℃
Relative Temperature	-10℃~90℃ (Non-condensing)
Noisy	<45dB