MATESOLAR

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
- PWM solar controller can be selected
- Without communication

Features

Low no-load loss

Pure sine wave output

Output short-circuit protection function

Multiple parameter

PWM solar controller can be selected

Without communication

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Low Frequency Off Grid Inverter(1kW)

Model	SP-UD-1012-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	1000W
Output Voltage at Utinity Model	The output voltage is the same as the input voltage
Output Frequency at Utinity 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	12VDC/24VDC
Battery Charge Voltage	13.7VDC/27. 4VDC
Maximum PV Display Open-circuit Power	800W
PV Input Voltage Range(PWM)	PWM 15V-50VDC
Maximum PV Display Open-circuit Voltage	PWM 50VDC
Optimal VMP Operating Range	PWM 15V-20VDC
MAX PV Charging Current	60A
MAX AC Charging Current	34A (Default 27A)
Transfer Time	≤10ms CUPS Mode) /≤20ms (INV Mode)
Load Peak Ratio	(MAX) 3:1
Standby Power Consumption	Toroidal Transformer
	8W
Protect Function	Under Utinity Model: Input over current fuseless switch protection
	Under inverter Model: overload protection, short-circuit protection, low voltage protection, battery
Status Display	LED Display
	AC voltage, AC frequency, PV voltage, PV current, output voltage, output frequency, battery voltage,
	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 hetween
Operating Temperature	-10℃~50℃
Storage Temperature	-15℃~45℃
Relative Temperature	-10℃~90℃ (Non-condensing)
Noisy	<45dB

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