



LEO PV 5000

HYBRID SOLAR INVERTER



GRID OUTPUT (AC)

Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195.5~253VAC
Nominal Output Current	18.2A
Power Factor	>0.99

EFFICIENCY

Maximum Conversion Efficiency (DC/AC)	98%
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TWO LOAD OUTPUT POWER

Full Load	4200W
Maxium Main Load	4200W
Maxium Second Load(battery mode)	1400W
Maxium Load Cut Off Voltage	26VDC
Maxium Load Return Voltage	27VDC

OFF-GRID OPERATION

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AC INPUT

AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Frequency Range	49~51±1HZ
Maximum AC Input Current	30A

PV INPUT (DC)

Nominal DC Voltage/Maximum DC Voltage	360/500VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/18A

BATTERY MODE OUTPUT (AC)

Nominal Output Voltage	220/230/240VAC
Output Waveform	Pure sine wave
Efficiency (DC to AC)	94%

BATTERY & CHARGER

Nominal DC Voltage	24VDC
Maximum Solar Charging Current	140A
Maximum AC Charging Current	100A
Maximum Charging Current	140A

COMBINED OPERATION

PV INPUT (DC)

Nominal DC Voltage/Maximum DC Voltage	360/500VDC
Start-up Voltage / Initial Feeding Voltage	90VDC/120VDC
MPPT Voltage Range	60~450VDC
Maximum Input Current	1/18A

GRID OUTPUT (AC)

Nominal Output Voltage	220/230/240VAC
Output Voltage Range	195.5~253VAC
Nominal Output Current	18.2A

AC INPUT

AC Start-up Voltage / Auto Restart Voltage	120-140VAC/180VAC
Acceptable Input Voltage Range	90-280VAC or 170-280VAC
Maximum AC Input Current	30A
Maximum AC Charging Current	100A

GENERAL

PHYSICAL

Dimension, D x W x H (mm)	420*350*110
Carton Dimension, D X W XH(mm)	500*415*180
Net Weight (kgs)	8.5
Gross Weight(kgs)	9.5

INTERACE

Communication Port	RS232/RS485/WIFI/GPRS/LITHIUM BATTERY
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ENVIRONMENT

Humidity	5% to 95% Relative Humidity(Non ~ condensing)
Operating Temperature	-10°C ~ 50°C

STANDARD

Compliance Safety	CE
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