

VP1000 - Data Sheet



SPECIFICATION

| MODEL: VP1000 | | 12V | 24V | 48V |
|--------------------------|---------------------------------|--|------------|------------|
| OUTPUT | Rated Power | 1000W | | |
| | Maximum Output Power | 2000W SURGE POWER; 1500W for 10sec, 2000w for 2sec | | |
| | AC Voltage | 200~240VAC (Standard) or 100~120VAC (Special Order) | | |
| | Frequency | 50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order) | | |
| | Waveform | Pure sine wave output (THD<3%) at rated input voltage | | |
| | Socket Type | UK | | |
| | Led Indicator Light | Inverter and Fault | | |
| INPUT | Bat.Voltage | 12V | 24V | 48V |
| | Voltage Range | 10.8V-15.5V | 21.6V-31V | 43.2V-62V |
| | DC Current | 100A | 50A | 25A |
| | No Load Consumption | <0.8A | <0.4A | <0.2A |
| | Efficiency | 90% (Full Loading) / 95% (1/3 Loading) | | |
| | Battery Types | Open & sealed lead acid battery | | |
| BATTERY INPUT PROTECTION | Fuses | 35A*4 | 20A*4 | 10A*4 |
| | Low Voltage Alarm | 10.8V± 0.2V | 21.6V±0.4V | 43.2V±0.8V |
| | Low Voltage Shut down | 10.2V± 0.2V | 20.4V±0.4V | 40.8V±0.8V |
| | Over Voltage Shut down | 15.5V±0.2V | 31V±0.4V | 62V±0.8V |
| | Reverse Polarity | By fuse open | | |
| OUTPUT PROTECTION | Over Temperature | Shut Off Output Automatically, Temperature >75°C | | |
| | Output Short | Protection type: Shut down o/p voltage, re-power on to recover | | |
| | Over Load | Protection type: Shut down o/p voltage, re-power on to recover | | |
| BUZZER ALARM | Low Battery Alarm | Buzzer sound 2 times and Red light blink 2 times every 8 sec | | |
| | Low Battery Shutdown | Buzzer sound 3 times and Red light blink 3 times every 8 sec | | |
| | Over Voltage Shutdown | Buzzer sound 4 times and Red light blink 4 times every 8 sec | | |
| | Over temperature Shutdown | Buzzer sound 5 times and Red light blink 5 times every 8 sec | | |
| | Short Circuit/Overload Shutdown | Red light blink constantly | | |
| ENVIRONMENT | Working Temp. | -10°C ~ +50°C | | |
| | Working Humidity | 20% ~ 90% RH Non-Condensing | | |
| | Storage Temp. | -30°C ~ +70°C | | |
| SAFETY | CE EMC | Compliance to EN61000-3-2,3; EN55022;EN55024 | | |
| | CE LVD | Compliance to EN62040-1:2008 | | |
| | RoHS | Compliance to 2011/65/EU | | |
| PACKING | Inner Box | 415*195*135 mm, 3.5kg | | |
| | Carton | 435*410*315 mm, 16.5kg | | |
| | Package | 4pcs /Carton | | |
| ACCESSORIES | Battery Cable | 1x Positive, 1x Negative Battery Cables | | |
| | User Manual | 1x English Manual | | |
| | Fuse | 4x Replaceable fuses | | |

Guaranteed Performance

1 Years Manufacturers Warranty

Sunshine Solar Limited
Unit 30, Ashwellthorpe Industrial Estate Ashwellthorpe
Norwich Norfolk NR16 1ER

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VP1500 - Data Sheet



SPECIFICATION

| MODEL: VP1500 | | 12V | 24V | 48V |
|--------------------------|---------------------------------|--|------------|------------|
| OUTPUT | Rated Power | 1500W | | |
| | Maximum Output Power | 3000W SURGE POWER; 2250W for 10sec, 3000w for 2sec | | |
| | AC Voltage | 200~240VAC (Standard) or 100~120VAC (Special Order) | | |
| | Frequency | 50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order) | | |
| | Waveform | Pure sine wave output (THD<3%) at rated input voltage | | |
| | Socket Type | UK | | |
| | Led Indicator Light | Inverter and Fault | | |
| INPUT | Bat.Voltage | 12V | 24V | 48V |
| | Voltage Range | 10.8V-15.5V | 21.6V-31V | 43.2V-62V |
| | DC Current | 150A | 75A | 37.5A |
| | No Load Consumption | <0.8A | <0.4A | <0.2A |
| | Efficiency | 90% (Full Loading) / 95% (1/3 Loading) | | |
| | Battery Types | Open & sealed lead acid battery | | |
| BATTERY INPUT PROTECTION | Fuses | 35A*6 | 20A*6 | 10A*6 |
| | Low Voltage Alarm | 10.8V± 0.2V | 21.6V±0.4V | 43.2V±0.8V |
| | Low Voltage Shut down | 10.2V± 0.2V | 20.4V±0.4V | 40.8V±0.8V |
| | Over Voltage Shut down | 15.5V±0.2V | 31V±0.4V | 62V±0.8V |
| | Reverse Polarity | By fuse open | | |
| OUTPUT PROTECTION | Over Temperature | Shut Off Output Automatically, Temperature >75°C | | |
| | Output Short | Protection type: Shut down o/p voltage, re-power on to recover | | |
| | Over Load | Protection type: Shut down o/p voltage, re-power on to recover | | |
| BUZZER ALARM | Low Battery Alarm | Buzzer sound 2 times and Red light blink 2 times every 8 sec | | |
| | Low Battery Shutdown | Buzzer sound 3 times and Red light blink 3 times every 8 sec | | |
| | Over Voltage Shutdown | Buzzer sound 4 times and Red light blink 4 times every 8 sec | | |
| | Over temperature Shutdown | Buzzer sound 5 times and Red light blink 5 times every 8 sec | | |
| | Short Circuit/Overload Shutdown | Red light blink constantly | | |
| ENVIRONMENT | Working Temp. | -10°C ~ +50°C | | |
| | Working Humidity | 20% ~ 90% RH Non-Condensing | | |
| | Storage Temp. | -30°C ~ +70°C | | |
| SAFETY | CE EMC | Compliance to EN61000-3-2,3; EN55022;EN55024 | | |
| | CE LVD | Compliance to EN62040-1:2008 | | |
| | RoHS | Compliance to 2011/65/EU | | |
| PACKING | Inner Box | 405*286*168 mm, 5.5kg | | |
| | Carton | 430*305*355 mm, 12kg | | |
| | Package | 2pcs /Carton | | |
| ACCESSORIES | Battery Cable | 2x Positive, 2x Negative Battery Cables | | |
| | User Manual | 1x English Manual | | |
| | Fuse | 6x Replaceable fuses | | |

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VP2000 - Data Sheet



SPECIFICATION

| MODEL: VP2000 | | 12V | 24V | 48V |
|--------------------------|---------------------------------|--|------------|------------|
| OUTPUT | Rated Power | 2000W | | |
| | Maximum Output Power | 4000W SURGE POWER; 3000W for 10sec, 4000w for 2sec | | |
| | AC Voltage | 200~240VAC (Standard) or 100~120VAC (Special Order) | | |
| | Frequency | 50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order) | | |
| | Waveform | Pure sine wave output (THD<3%) at rated input voltage | | |
| | Socket Type | UK | | |
| | Led Indicator Light | Inverter and Fault | | |
| INPUT | Bat.Voltage | 12V | 24V | 48V |
| | Voltage Range | 10.8V-15.5V | 21.6V-31V | 43.2V-62V |
| | DC Current | 200A | 100A | 50A |
| | No Load Consumption | <0.8A | <0.4A | <0.2A |
| | Efficiency | 90% (Full Loading) / 95% (1/3 Loading) | | |
| | Battery Types | Open & sealed lead acid battery | | |
| BATTERY INPUT PROTECTION | Fuses | 35A*8 | 20A*8 | 10A*8 |
| | Low Voltage Alarm | 10.8V± 0.2V | 21.6V±0.4V | 43.2V±0.8V |
| | Low Voltage Shut down | 10.2V± 0.2V | 20.4V±0.4V | 40.8V±0.8V |
| | Over Voltage Shut down | 15.5V±0.2V | 31V±0.4V | 62V±0.8V |
| | Reverse Polarity | By fuse open | | |
| OUTPUT PROTECTION | Over Temperature | Shut Off Output Automatically, Temperature >75°C | | |
| | Output Short | Protection type: Shut down o/p voltage, re-power on to recover | | |
| | Over Load | Protection type: Shut down o/p voltage, re-power on to recover | | |
| BUZZER ALARM | Low Battery Alarm | Buzzer sound 2 times and Red light blink 2 times every 8 sec | | |
| | Low Battery Shutdown | Buzzer sound 3 times and Red light blink 3 times every 8 sec | | |
| | Over Voltage Shutdown | Buzzer sound 4 times and Red light blink 4 times every 8 sec | | |
| | Over temperature Shutdown | Buzzer sound 5 times and Red light blink 5 times every 8 sec | | |
| | Short Circuit/Overload Shutdown | Red light blink constantly | | |
| ENVIRONMENT | Working Temp. | -10°C ~ +50°C | | |
| | Working Humidity | 20% ~ 90% RH Non-Condensing | | |
| | Storage Temp. | -30°C ~ +70°C | | |
| SAFETY | CE EMC | Compliance to EN61000-3-2,3; EN55022;EN55024 | | |
| | CE LVD | Compliance to EN62040-1:2008 | | |
| | RoHS | Compliance to 2011/65/EU | | |
| PACKING | Inner Box | 405*286*168 mm, 6kg | | |
| | Carton | 430*305*355 mm, 14kg | | |
| | Package | 2pcs /Carton | | |
| ACCESSORIES | Battery Cable | 2x Positive, 2x Negative Battery Cables | | |
| | User Manual | 1x English Manual | | |
| | Fuse | 8x Replaceable fuses | | |

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VP3000 - Data Sheet



SPECIFICATION

| MODEL: VP3000 | | 12V | 24V | 48V |
|--------------------------|---------------------------------|--|------------|------------|
| OUTPUT | Rated Power | 3000W | | |
| | Maximum Output Power | 6000W SURGE POWER; 4500W for 10sec, 6000w for 2sec | | |
| | AC Voltage | 200~240VAC (Standard) or 100~120VAC (Special Order) | | |
| | Frequency | 50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order) | | |
| | Waveform | Pure sine wave output (THD<3%) at rated input voltage | | |
| | Socket Type | UK | | |
| | Led Indicator Light | Inverter and Fault | | |
| INPUT | Bat.Voltage | 12V | 24V | 48V |
| | Voltage Range | 10.8V-15.5V | 21.6V-31V | 43.2V-62V |
| | DC Current | 300A | 150A | 75A |
| | No Load Consumption | <1A | <0.5A | <0.25A |
| | Efficiency | 90% (Full Loading) / 95% (1/3 Loading) | | |
| | Battery Types | Open & sealed lead acid battery | | |
| BATTERY INPUT PROTECTION | Fuses | 35A*12 | 20A*12 | 10A*12 |
| | Low Voltage Alarm | 10.8V± 0.2V | 21.6V±0.4V | 43.2V±0.8V |
| | Low Voltage Shut down | 10.2V± 0.2V | 20.4V±0.4V | 40.8V±0.8V |
| | Over Voltage Shut down | 15.5V±0.2V | 31V±0.4V | 62V±0.8V |
| | Reverse Polarity | By fuse open | | |
| OUTPUT PROTECTION | Over Temperature | Shut Off Output Automatically, Temperature >75°C | | |
| | Output Short | Protection type: Shut down o/p voltage, re-power on to recover | | |
| | Over Load | Protection type: Shut down o/p voltage, re-power on to recover | | |
| BUZZER ALARM | Low Battery Alarm | Buzzer sound 2 times and Red light blink 2 times every 8 sec | | |
| | Low Battery Shutdown | Buzzer sound 3 times and Red light blink 3 times every 8 sec | | |
| | Over Voltage Shutdown | Buzzer sound 4 times and Red light blink 4 times every 8 sec | | |
| | Over temperature Shutdown | Buzzer sound 5 times and Red light blink 5 times every 8 sec | | |
| | Short Circuit/Overload Shutdown | Red light blink constantly | | |
| ENVIRONMENT | Working Temp. | -10°C ~ +50°C | | |
| | Working Humidity | 20% ~ 90% RH Non-Condensing | | |
| | Storage Temp. | -30°C ~ +70°C | | |
| SAFETY | CE EMC | Compliance to EN61000-3-2,3; EN55022;EN55024 | | |
| | CE LVD | Compliance to EN62040-1:2008 | | |
| | RoHS | Compliance to 2011/65/EU | | |
| PACKING | Inner Box | 530*320*230 mm, 10kg | | |
| | Carton | 555*340*250 mm, 11kg | | |
| | Package | 1pcs /Carton | | |
| ACCESSORIES | Battery Cable | 2x Positive, 2x Negative Battery Cables | | |
| | User Manual | 1x English Manual | | |
| | Fuse | 12x Replaceable fuses | | |

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VP4000 - Data Sheet



SPECIFICATION

| MODEL: VP4000 | | 12V | 24V | 48V |
|--------------------------|---------------------------------|--|------------|------------|
| OUTPUT | Rated Power | 4000W | | |
| | Maximum Output Power | 8000W SURGE POWER; 6000W for 10sec, 8000w for 2sec | | |
| | AC Voltage | 200~240VAC (Standard) or 100~120VAC (Special Order) | | |
| | Frequency | 50Hz±0.1% (Standard) or 60Hz±0.1% (Special Order) | | |
| | Waveform | Pure sine wave output (THD<3%) at rated input voltage | | |
| | Socket Type | UK | | |
| | Led Indicator Light | Inverter and Fault | | |
| INPUT | Bat.Voltage | 12V | 24V | 48V |
| | Voltage Range | 10.8V-15.5V | 21.6V-31V | 43.2V-62V |
| | DC Current | 400A | 200A | 100A |
| | No Load Consumption | <1A | <0.5A | <0.25A |
| | Efficiency | 90% (Full Loading) / 95% (1/3 Loading) | | |
| | Battery Types | Open & sealed lead acid battery | | |
| BATTERY INPUT PROTECTION | Fuses | 35A*12 | 20A*12 | 10A*12 |
| | Low Voltage Alarm | 10.8V± 0.2V | 21.6V±0.4V | 43.2V±0.8V |
| | Low Voltage Shut down | 10.2V± 0.2V | 20.4V±0.4V | 40.8V±0.8V |
| | Over Voltage Shut down | 15.5V±0.2V | 31V±0.4V | 62V±0.8V |
| | Reverse Polarity | By fuse open | | |
| OUTPUT PROTECTION | Over Temperature | Shut Off Output Automatically, Temperature >75°C | | |
| | Output Short | Protection type: Shut down o/p voltage, re-power on to recover | | |
| | Over Load | Protection type: Shut down o/p voltage, re-power on to recover | | |
| BUZZER ALARM | Low Battery Alarm | Buzzer sound 2 times and Red light blink 2 times every 8 sec | | |
| | Low Battery Shutdown | Buzzer sound 3 times and Red light blink 3 times every 8 sec | | |
| | Over Voltage Shutdown | Buzzer sound 4 times and Red light blink 4 times every 8 sec | | |
| | Over temperature Shutdown | Buzzer sound 5 times and Red light blink 5 times every 8 sec | | |
| | Short Circuit/Overload Shutdown | Red light blink constantly | | |
| ENVIRONMENT | Working Temp. | -10°C ~ +50°C | | |
| | Working Humidity | 20% ~ 90% RH Non-Condensing | | |
| | Storage Temp. | -30°C ~ +70°C | | |
| SAFETY | CE EMC | Compliance to EN61000-3-2,3; EN55022;EN55024 | | |
| | CE LVD | Compliance to EN62040-1:2008 | | |
| | RoHS | Compliance to 2011/65/EU | | |
| PACKING | Inner Box | 530*320*230 mm, 12kg | | |
| | Carton | 555*340*250 mm, 13kg | | |
| | Package | 1pcs /Carton | | |
| ACCESSORIES | Battery Cable | 2 x Positive, 2x Negative Battery Cables | | |
| | User Manual | 1 x English | | |
| | Fuse | 12 x Replaceable fuses | | |

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