

LATRONICS INVERTERS

ELECTRICAL & MECHANICAL SPECIFICATIONS

Output power @ 25 °C Ambient and unity Power Factor

| <i>s/SUN MSQ INVERTER</i> | | | <i>TRUE SINEWAVE INVERTER</i> | | | | | | | | | |
|---------------------------|---------------------|-----------|-------------------------------|--------|-----------|-----------|------------|------------|------------|------------|------------|------------|
| <i>Inverter Model</i> | 412-si-12 | 415-si-24 | LS412 | LS524 | 47-BKZ-12 | 48-BKZ-24 | 412-BKZ-12 | 415-BKZ-24 | 518-BKZ-12 | 525-BKZ-24 | 530-BKZ-24 | 535-BKZ-48 |
| Nominal DC Voltage | 12V | 24V | 12V | 24V | 12V | 24V | 12V | 24V | 12V | 24V | 24V | 48V |
| Continuous Power | 1300W | 1600W | 400W | 500W | 700W | 800W | 1300W | 1600W | 1800W | 2500W | 3000W | 3500W |
| 1/2 Hour Rating | 1600W | 2100W | 450W | 600W | 950W | 1050W | 1600W | 2100W | 2000W | 3100W | 3700W | 4100W |
| Surge Rating | 4800W | 5500W | 1400W | 2000W | 2800W | 3200W | 4000W | 5000W | 5500W | 7500W | 9000W | 10500W |
| Input Voltage Range | 10-17V | 21-34V | 10.5-17V | 21-34V | 10.5-17V | 21-34V | 10.5-17V | 21-34V | 10.5-17V | 21-34V | 21-34V | 42-68V |
| Instantaneous Shutdown | - | - | 9V | 18V | 18V | 18V | 9V | 18V | 9V | 18V | 18V | 36V |
| Standby Current | 25mA | 30mA | 22mA | 18mA | 40mA | 25mA | 50mA | 30mA | 60mA | 35mA | 40mA | 35mA |
| Output Voltage | 240V AC +/- 3% | | 240V AC +/- 4% | | | | | | | | | |
| Output Waveshape | Modified Squarewave | | True Sinewave | | | | | | | | | |
| Total Harmonic Distortion | - | | <4% | | | | | | | | | |
| Peak Efficiency | 93% | 94% | 90% | 92% | 90% | 92% | 91% | 94% | 90% | 94% | 93% | 95% |
| Demand Start Sensitivity | User Adjustable | | | | | | | | | | | |
| Output Frequency | 50HZ +/- 0.1% | | | | | | | | | | | |
| Power Factor | All conditions | | | | | | | | | | | |
| Input / Output Isolation | 3500V | | | | | | | | | | | |
| Operating Temperatures | -10 °C to + 50 °C | | | | | | | | | | | |

| | s/SUN 1300VA | s/SUN 1600VA | LS412 | LS524 | BKZ 700VA | BKZ 800VA | BKZ 1200VA | BKZ 1500VA | BKZ 1800VA | BKZ 2500VA | BKZ 3000VA |
|-------------------|--------------|--------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|-------------|
| <i>Dimensions</i> | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H | L x W x H |
| <i>mm</i> | 310x287x145 | 310x287x145 | 260x160x100 | 260x160x100 | 310x287x145 | 310x287x145 | 310x287x145 | 310x287x145 | 390x400x180 | 390x400x180 | 390x400x180 |
| <i>Weight</i> | 12kg | 14kg | 4.5kg | 4.7kg | 10kg | 10kg | 13kg | 14kg | 22kg | 22kg | 24kg |

Specifications subject to change without prior notification