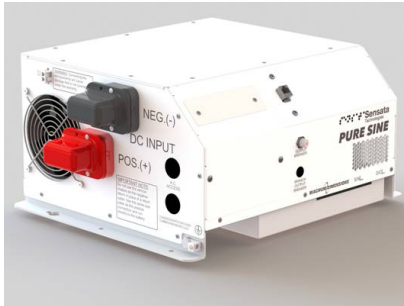




## Z51120-036045G1L INVERTER/CHARGER *Pure Sine Wave Output*

The Z51120-036045G1L Inverter/Charger from Magnum-Dimensions provides pure sine wave power.

### The Z51120-036045G1L Features:

- **Remote:** Optional LCD remote display
- **Cooling:** Thermally controlled cooling fan
- **Unit Protection:** Provides automatic electronic short circuit/overload protection, automatic over-temperature shutdown, and an AC output circuit breaker
- **Local Status LED:** Provides inverter/charger operation mode and troubleshooting information at a glance
- **Low Battery Protection:** Automatically shuts down at 44.3 VDC with in-rush delay
- **Surge:** High surge rating for large motor loads
- **Bypass:** Built in AC bypass relay
- **Charger Disable:** Disabled via dry contacts
- **Charger:** Optimized for Lithium-Ion batteries, Power Factor Corrected

| Z51120-036045G1L                |                                                 |                        |                                                      |
|---------------------------------|-------------------------------------------------|------------------------|------------------------------------------------------|
| INVERTER SPECIFICATIONS         |                                                 | CHARGER SPECIFICATIONS |                                                      |
| Input battery voltage range     | 44.3- 58.6 VDC, 51.5VDC Nominal                 | AC input wave form     | Power factor corrected, single step, current limited |
| Surge voltage                   | Up to 60 VDC                                    | Output current         | 50 ADC                                               |
| Nominal AC output voltage       | 120 VAC $\pm$ 5%                                | Input current bypass   | 30 AAC                                               |
| Output frequency and accuracy   | 60 Hz $\pm$ 0.05%                               | Relay                  | 30 AAC                                               |
| Total Harmonic Distortion (THD) | < 5%                                            |                        |                                                      |
| Continuous power output         | 3600 Watts @ 25°C                               |                        |                                                      |
| Output current (nominal)        | 30 AAC                                          |                        |                                                      |
| Input current                   | Up to 94 ADC                                    |                        |                                                      |
| Peak power                      | 6000 Watts                                      |                        |                                                      |
| Peak output current (typical)   | 100.0 AAC                                       |                        |                                                      |
| Motor starting rating           | 1.5 HP                                          |                        |                                                      |
| Inverter efficiency             | 90% at 50% of rated load                        |                        |                                                      |
| Waveform                        | Pure Sine Wave, THD < 5%                        |                        |                                                      |
| Operating temperature           | -20° C to +65° C (-4° F to 149° F)              |                        |                                                      |
| Dimensions (l x w x h)          | 13.8" x 17.1" x 8" (35.1cm x 43.4 cm x 20.3 cm) |                        |                                                      |
| Weight                          | 68 lb (30.8 kg)                                 |                        |                                                      |
| Limited warranty                | Three years                                     |                        |                                                      |