### Helmet Specifications

**Regulatory Standards:**
- ANSI/ISEA Z87.1-2010 (High Impact), EN175, EN379

**Helmet Weight (without Shroud):**
19.6 oz (560 grams)

**ADF Viewing Window Size:**
3.9 x 1.8 in (97 x 46 mm)

**Sensors:**
- (2) Dual UV/IR
- (1) RF

**Shade Level:**
- Inactivated Shade #4
- Activated Shades #9 to #13

**Full-Time UV/IR Protection**

**Sensitivity Adjustment:**
Dual sensors plus pre-shading (low-high)

**Switching Delay (dark to light):**
- Low 0.3-0.6s
- Fast 0.1-0.35s

**Power Supply:**
- 3V Lithium (CR2032) with Supplementary Solar Power

**Indicators:**
- Low Battery

**Operating Temperature:**
23 to 131° F (-5 to 55° C)

**Storage Temperature:**
-4 to 176° F (-20 to 80° C)

**Country of Origin:**
South Korea

### Respirator Specifications

**Respirator Type:**
Powered Air-Purifying Respirator (PAPR)

**Regulatory Approvals:**
- 42 CFR Part 84, TC-21C-0940 and TC-21C-0941

**Assigned Protection Factor:**
- 25 with SLS1 Loose-Fitting Facepiece Shroud
- 1,000 with SLS2 Loose-Fitting Hood Shroud

**Battery Technology:**
Rechargeable Lithium Polymer, 4-16 hours run time

**Airflow:**
- 200/240 lpm (low/high speeds)

**Alarms:**
- Audible 77dBA Low Battery, Low Flow, and High Temperature

**Operating Temperature:**
- 23 to 131° F (-5 to 55° C)

**Storage Temperature:**
- 23 to 131° F (-5 to 55° C)

**Country of Origin:**
Assembled in the USA with domestic and imported components

### Blower Specifications:

**Weight:**
1.55 lbs (702 grams)

**Motor:**
Brushless motor

**Battery:**
Maximum of one filter or cartridge required

"On-board" battery compartment (no external battery cables to connect)

Filter locking tab for visual confirmation of correct installation

77dBA low voltage alarm

77dBA low flow alarm

Active Flow Technology (Mass Flow Sensor Feedback Loop)

User-selectable two-speed operation (7/8.5 CFM regular/high speed)

### Battery Specifications:

**Weight:**
1.20 lbs (546 grams)

**Type:**
Lithium Ion, 4 cells

14.8V nominal, 16.8V peak, 6300 mAh

### HE Filters

**Part Number:**
PAPRFC3

**Approvals:**
High Efficiency Particulate

**Packaging:**
6 per box

**Expiration/Shelf Life:**
10 years (unopened) with proper storage conditions
Belt Specifications:
Chemically resistant closed cell, vinyl/urethane, or fire retardant webbing
Adjustable for waist sizes between 28-inches and 60-inches
Belt extenders available
6.5-inches (16.5 cm) tall in lumbar region
Backpack option available

Charger Specifications:
One-port smart charger with trickle charge mode and optional diagnostics
Six-port smart gang charger with trickle charge mode

Warranty:
1 year limited manufacturer warranty for original purchase from date of purchase