

# INTRODUCING... SPARXLIFT

## Welding Helmet for EVA Powered Air-Purifying Respirator

Powered by the industry leading EVA PAPR blower, the SparxLift system provides the best combination of both face and respiratory protection for welding and grinding in a single package.

### INTEGRATED PROTECTION

**RESPIRATORY PROTECTION** The EVA PAPR delivers 8.5 CFM of airflow and 1,000 Assigned Protection Factor (APF) to the SparxLift helmet protecting you from airborne hazards.

**EYE PROTECTION** Full-time Ultraviolet (UV) and Infrared (IR) filters react to prevent flash in 1/25,000 second.

**FACE PROTECTION** Clear panoramic polycarbonate lens protects while grinding, and the engineered Nylon Shell provides tough, lightweight, heat resistant protection. The DuPont™ Nomex® shroud completes the protective envelope to cover the remainder of the face and head.

### INNOVATIVE DESIGN

**AUTOLIFT** Unique patented AutoLift design that allows switching from welding to grinding at the push of a button.

**BRILLIANT CLEAR X-VIEW** Optically correct UV and IR filters combine with ultra-fast low distortion Liquid Crystal Display (LCD) panels to provide the best viewing performance.

**Z-SLIDE CARTRIDGE** Allows for easy change out and maintenance of the Auto Darkening Filter (ADF).

### INTUITIVE TECHNOLOGY

**AUTO DARKENING FILTER** Eliminates neck strain from "nodding" with fixed shade welding helmets.

**INNER SENSE™** Patented feature detects the Radio Frequency (RF) signal produced by Tungsten Inert Gas (TIG) welders to darken the screen before the arc is struck.

**ACTIVE FLOW TECHNOLOGY** Automatically adjusts the blower's performance to maintain constant air flow despite changing conditions.

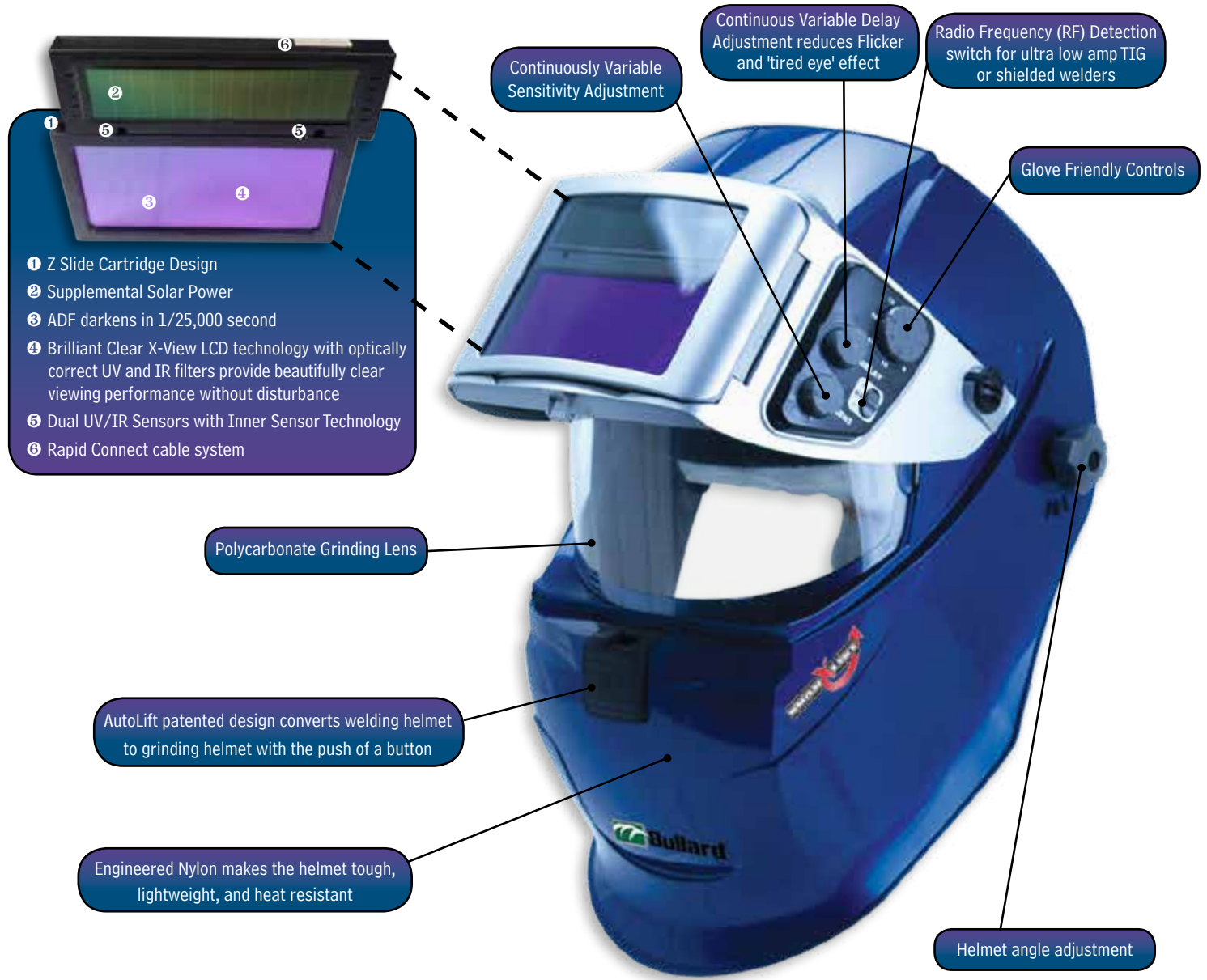
**SMART ALARMS** Alert user to low flow or low battery conditions.

**FUEL GAUGE** Provides instant battery status at the push of a button.



[www.bullard.com](http://www.bullard.com)

# SPARXLIFT



## Welding Helmet Technical Specifications

Regulatory Standards	ANSI/ISEA Z87.1-2010 EN175 and EN379	Switching Delay (dark to light)	Low: 0.3 - 0.6s Fast: 0.1 - 0.35s
Helmet Weight (without shroud)	19.6 oz (560 grams)	Power Supply	3V Lithium (CR2032)
ADF Window Size	3.9" x 1.8" (97 x 46 mm)	Battery Life	~3,000 hours
Sensors	(2) Dual UV/IR	Supplementary Power	Solar Cells (Auto On/Off)
Switching Time	1/25,000 second (.04 msec)	Indicators	Low Battery
Shade Level	Inactivated Shade #4 Activated Shades #9-#13	Operating Temperature	23°F to 131°F (-5°C to 55°C)
Sensitivity Adjustment	Dual sensors plus pre-shading (low-high)	Storage Temperature	-4°F to 158°F (-20°C to 70°C)
		Country of Origin	South Korea



### EVA PAPER Blower Technical Specifications

Regulatory Standards	NIOSH 42 CFR Part 84 TC-21C-0940 and TC-21C-0941	Battery	Lithium Polymer, 4 cells 14.8V nominal voltage (16.8V peak voltage) 6300 mAh
Blower Weight	1.6 lbs (726 grams)	Motor	Brushless
Battery Weight	1.3 lbs (590 grams)	Filter	High Efficiency Particulate
Assigned Protection Factor	25 APF with SLS1 1,000 APF with SLS2	Operating Temperature	23°F to 131°F (-5°C to 55°C)
Airflow	240/200 lpm (8.5/7.0 CFM) for hi/low speeds	Storage Temperature	23°F to 131°F (-5°C to 55°C)
Alarms	Audible High Heat Audible Low Flow Audible Low Battery	Country of Origin	Assembled in the USA with domestic and imported components



## Ordering Information

### PAPR Assemblies

Item	Description
EVASL1	EVA1BLK Blower, EVABELT1, EVABAT1, PA1AFI, PAHBT, EVASMC, 1 HEPA filter, Nomex® Cover, 25 APF shroud
EVASL2	EVA1BLK Blower, EVABELT1, EVABAT1, PA1AFI, PAHBT, EVASMC, 1 HEPA filter, Nomex Cover, 1,000 APF shroud

### Replacement PAPR Items

Item	Description
EVA1BLK	Blower Unit Only
EVA2BLK	Blower Unit, Battery, Charger
EVA3BLK	Blower Unit, Battery, Charger, HE Filter
PAPRFC3	HE Filter (6 Pack)
EVABELT1	Foam Belt
EVABELT2	Urethane/Vinyl Belt
EVABELT3	Urethane/Vinyl Belt, Cam Lock Buckle
EVABELT4	FR Belt, Cam Lock Buckle
EVABP1	Belt Back Plate Replacement
EVABKPK1	Backpack
PAHBT	PAPR Breathing Tube
PAHBTXL	PAPR Breathing Tube, XL
PAHBTXS	PAPR Breathing Tube, XS
PAHBTBK	Breathing Tube for Use with PAPR Back Pack
EVABAT1	Battery Pack
EVASMC	Charger, Single Port
EVASMC2	Charger, Single Port Analyzer
EVAGC	Charger, 6 Port
PA1AFI	Air Flow Indicator, Rotometer
EVADCFR1	PAPR Dust Cover with Spark Arrest, FR, for use with HE Filter
EVABPDCFR1	PAPR Dust Cover with Spark Arrest, FR, for use with Backpack and HE Filter
PAPRPF2	Spark Arrest Filter (120 pk)
PAPRSC2	Spark Shower Cap
NMXBTC	Breathing Tube Cover, Nomex

### Replacement Shrouds

Item	Description
SLS1	SparxLift Loose-Fitting Facepiece 25 APF Shroud
SLS2	SparxLift Full Hood 1,000 APF Shroud

### Replacement Helmet

Item	Description
SLH	SparxLift Helmet

### Replacement Helmet Parts

Item	Description
SLADF	Auto Darkening Filter Cartridge
SLBAT1	Battery for ADF
SLCLP	Cover Lens Pack (5 outer lens, 2 inner lenses for ADF)
SLHCA	Hinge Cap Assy

### Replacement Helmet Parts continued

Item	Description
SLALA	AutoLift Assembly (includes external ADF control, mounting kit, and push button assembly)
SLFCL	Front Cover Lens (10pk)
SLHG	Head Gear (includes head band and knob set)
SLRCL	Rear Cover Lens (5pk)
SLGL	Grinding Lens (3pk)
SLPBA	Push Button Assembly
SLSBA	Sweat Band Assembly
SLSHELLBU	Helmet Shell, Blue (includes AutoLift assembly but does not include Head Harness)



#### Americas:

**Bullard**  
1898 Safety Way  
Cynthiana, KY 41031-9303 • USA  
Toll-free within USA: 877-BULLARD (285-5273)  
Tel: +1-859-234-6616  
Fax: +1-859-234-8987

#### Europe:

**Bullard GmbH**  
Lilienthalstrasse 12  
53424 Remagen • Germany  
Tel: +49-2642 999980  
Fax: +49-2642 9999829

#### Asia-Pacific:

**Bullard Asia Pacific Pte. Ltd.**  
LHK Building  
701, Sims Drive, #04-03  
Singapore 387383  
Tel: +65-6745-0556  
Fax: +65-6745-5176



©2014 Bullard. All rights reserved.  
Dupont™ Nomex® is a registered trademark of E.I. DuPont de Nemours & Company.  
Inner Sense™ is a trademark of Servore Company.