EVERLAST LEGION-AIR

PAPR LASER WELDING HELMET SYSTEM



LASER PROTECTION
1000-1100 D LB7 + IR LB8

OPTICAL DENSITY
OD 10+ @ 1064nm

AIRFLOW
170+ / 210+ lpm

FILTER EFFICIENCY
> 99.997% (P3)

STANDARD BATTERY
9 hrs @ 170+ lpm

HELMET & LENS

Viewing Area	96 × 46.5 mm (3.78" x 1.83")
Cartridge Size	110 × 90 × 9 mm (4.33" x 3.54" x 0.35")
Optical Class	1 / 1 / 1 / 2
Dark Shades	4-8 / 8-12 variable
Light State	DIN 2.0
Switching Speed	1/25,000 s light to dark
Sensors	2
Modes	GRIND / CUT / MIX / DARK
Sensitivity / Delay	Low-High / 0.1-1.0 s, LED & button
Power On / Off	Automatic
Helmet Material	High impact nylon + metal

LASER PROTECTION

Laser Protection	1000-1100 D LB7 + IR LB8
Optical Density	OD 8 @ 1000-1100nm OD 10+ @ 1064nm OD 8+ @ 1070nm
UV / IR Protection	Up to DIN16 at all times
Interlock System	Yes
Eye & Face Approvals	CE (EN 207, EN ISO 16321), ANSI, EAC

AIRFLOW & BLOWER

Min. Design Flow	165+ lpm (5.8+ cfm)
Low Speed	170+ lpm (6+ cfm)
High Speed	210+ lpm (7.4+ cfm)
Motor	Brushless
Weight	1020 g (blower + standard battery)

FILTRATION

Particle Filter	P3, efficiency > 99.997%
Filter Stack	Front cover, spark screen, pre-filter, particle filter
Optional Filters	Gas A1B1E1K1 / A1B1E1 / A1 / A2, odor filter
Alarms	Visible, audible and vibration
Respirator Approval	EN 12941 TH3 P R SL, AS/NZS 1716

BATTERY

Type	Fast-charging rechargeable Li-ion
Standard (3200mAh)	9 hrs @ 170+ lpm · 6 hrs @ 210+ lpm · 1 hr charge
Extended (6400mAh, optional)	15 hrs @ 170+ lpm · 9 hrs @ 210+ lpm · 2 hr charge
Battery Life	≥ 550 charges
PAPR Operating / Storage	-5 to 55°C (23-131°F) / -10 to 55°C (14-131°F)
Humidity	Operating < 90% R.H. · Storage < 85% R.H.