

Free Cooling “ECSP” Series

1000 [CFM] 48VDC

Features

✓ **Uninterrupted Operation**

The unit is powered directly from the shelter’s batteries (DC), which allows uninterrupted operation during grid power failures.

✓ **Eco-Mode feature**

The unit provides a free cooling solution to the room or shelter when the external ambient temperatures are low and meet the control parameters. This feature prevents or delays the operation of the active cooling systems, e.g., air conditioner, which actively reduces power consumption significantly.

✓ **Outdoor or Indoor Installation**

Designed to be install outdoors; to facilitate positive pressure inside the shelter and allow air to be filtered, the unit may also be installed indoors for applications that allow negative pressure. An external intake filter is required in these instances.

✓ **Backward curved EC centrifugal blowers**

The unit includes 2 centrifugal blowers with high back pressure performance. Suitable for harsh environments of up to 60°C.

✓ **Fresh Air Washable Filters**

Washable filter media made from 100% natural fibers with G2 filtration performance (according to EN779:2002).

✓ **Steel Cabinet**

Galvanized Coated Sheet metal cabinet.

1-1.5 mm Thickness.

✓ **Cabinet Finish**

The cabinet is finished with a baked polyester powder coating which provides high UV resistance and withstands over 1000 hours of salt spray test (ASTM B117).



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Specifications

Parameter	Units	Value	Deviation
Air- Flow (Internal Loop)	m^3/hr (CFM)	1700 (1000)	±10%
Rated Voltage	V	48VDC	36-57VDC
Current Draw	A	3.8	
Ambient Operational Temperatures	$^{\circ}C$	-25 ÷ 60	
Dimensions (Height, Width, Depth)	mm (Inch)	934(36.8),465.5 (18.3),305.5(12)	
Weight	kg	22 (48.5)	

Air Flow Scheme

