

## ENCLOSURES FOR ACCESS CONTROL PANELS



IDCUBE presents widest range of high-quality enclosures for access control panels for various brands like HID, Mercury and Air controllers. The enclosures are built specifically to accommodate Controllers, Switched-Mode Power Supply (SMPS), Battery and related accessories. The enclosures are designed for simple and efficient installation of access control panels.

The enclosures are available in materials like mild steel and polycarbonate which are best in quality. The choice of colors available are grey and black with Matte finish.

### KEY FEATURES

Mild Steel/Polycarbonate material in grey/black color with matte finish

Universal Key Lock facility

Provision of air ventilation on both the sides

Mild steel zinc-plated base plate for Controllers & SMPS

Gland or grommet knockouts for cabling

Industrial grade enclosures with IP66/67, IK08/09 and NEMA4/4X ratings

Advanced monitoring options such as enclosure tamper, AC fail and battery fail

## ENCLOSURE TECHNICAL SPECIFICATIONS

Features	Model								
	E1MSP3000	E1MSC3000	E1MSC3B70	E1MSC3B50	E1MEP3000	E1MEC3000	E4MSP9000	E1PNC3000	E1MNC3000
Power supply*	P3	C3			P3	C3	P9	C3	
Battery**	NA		B70	B50	NA				
Base plate	Zinc plated mild steel								
Dimensions	38 x 30 x 8 (cm)						50 x 40 x 18 (cm)	38 x 28 x 13 (cm)	30 x 40 x 12 (cm)
Weight	3 Kg						7.6 Kg	1.7 Kg	5 Kg
Color	RAL 7035 (Light Grey)				Black		RAL 7035		
Controller capacity	1 Controller						4 Controller	1 controller	
Material	Mild Steel							Polycarbonate	Mild steel
Cable hole fittings	Glands(2)				Grommet(2)		Grommet(5)	Glands(2)	
Tamper switch	Yes								
Lock	Universal Key Lock (UKL)							NA	UKL
Power terminal strip	No	Yes			No	Yes	No	Yes	
Controller compatibility	HID, Mercury				Air		HID	HID, Mercury	HID, Mercury
Ingress protection	NA						IP66/67		IP66
Impact protection	NA						IK08/09		IK08
Environmental protection	NA						NEMA 1,3, 3S, 4, 4X, 6, 6P, 12,; UL508; UL746C		UL NEMA 4

\*Please refer to the power supply specification table for the corresponding product code.

\*\* Please refer to the VRLA battery specification table for the corresponding product code.

## \*POWER SUPPLY SPECIFICATIONS



Features	Model			
		P3	P9	C3
Output	DC Voltage	12V		13.8V
	Rated Current	3A	8.5A	2.8A
	Battery Charging Voltage	NA		13.8V
	Battery Charging Current	NA		1.5A
	Rated Power	36W	102W	59.34W
Input	Voltage Range	85 ~ 264VAC/120 ~ 373VDC		90 ~ 264VAC/127 ~ 370VDC
	Frequency Range	47 ~ 63Hz		47 ~ 63Hz
	AC Current (Typical)	0.42A/230VAC	1.9A/115VAC or 1.2A/230VAC	1.6A/115VAC or 1A/230VAC
Function	AC OK	NA		TTL open collector output, ON: AC OK; OFF: AC Fall; Ice: max. 30mA@50VDC
	Battery Low	NA		TTL open collector output, ON: Battery Low; OFF: Battery OK; Ice: max. 30mA@50VDC
	Battery Cut off	NA		10.5 ± 0.5V
Environment	Working Temperature	-30 ~ + 70°C		-20 ~ + 70°C
	Working Humidity	20 ~ 90% RH non-condensing		
Safety & EMC	Safety Standards	UL60950-1, TUV EN60950-1, EN60335-1, EN61558-1/-2-16, CCC GB4943.1, BSMI CNS14336-1, EAC TP TC 004, AS/NZS 60950.1(by CB) approved		UL60950-1, TUV EN60950-1 EAC TP TC 004 approved
	EMC Emission	Compliance to EN55032 (CISPR32) Class B, EN55014, EN61000-3-2, -3, GB/T 9254, BSMI CNS13438, EAC TP TC 020		Compliance to EN55032(CISPR32) Class B, EN61000-3-2, -3, EAC TP TC 020
	EMC Immunity	Compliance to EN61000-4-2,3,4,5,6,8,11, EN61000-6-2 (EN50082-2), heavy industry level, criteria A, EAC TP TC 020		Compliance to EN61000-4-2,3,4,5,6,8,11, EN55024, light industry level, criteria A, EAC TP TC 020
Others	MTBF	763.6K hrs. min. MIL-HDBK-217F(25°C)	720.6K hrs. min. MIL-HDBK-217F (25°C)	589.7K hrs. min. MIL-HDBK-217F (25°C)

## \*\*VRLA RECHARGEABLE BATTERY SPECIFICATIONS

Performance Characteristics	B70	B50
Nominal Voltage	12V	
Number of cells	6	
Design Life	3~5 years	
Self-Discharge	3% of capacity declined per month at 20°C(average)	

### Nominal Capacity 77°F(25°C)

20-hour rate	7.2Ah (0.36A, 10.5V)	5Ah (0.25A, 10.5V)
10-hour rate	6.9Ah (0.69A, 10.5V)	4.7Ah (0.47A, 10.5V)
5-hour rate	5.8Ah (1.16A, 10.5V)	4.25Ah (0.85A, 10.5V)
1-hour rate	4.8Ah (4.8A, 9.6V)	3.25Ah (3.25A, 9.6V)

### Certification

JIS, DIN, IEC60896-21/22 & BS6290-4; UL approval (MH25860); CE

### Operating Temperature Range

Discharge	-20~60°C
Charge	-10~60°C
Storage	-20~60°C

### Dimensions and Weight

Length (mm / inch)	151 / 5.94	90 / 3.54
Width (mm / inch)	65 / 2.56	70 / 2.76
Height (mm / inch)	94 / 3.70	101 / 3.98
Total Height (mm / inch)	100 / 3.94	107 / 4.21
Approx. Weight (Kg / lbs.)	2.5 / 5.51	1.8 / 3.97

**General Features:** Absorbent Glass Mat (AGM) technology for efficient gas recombination of up to 99% and freedom from electrolyte maintenance or water adding; Not restricted for air transport-complies with IATA/ICAO Special Provision A67; UL-recognized component; Can be mounted in any orientation; Computer designed lead, calcium tin alloy grid for high power density; Long service life, float or cyclic applications; Maintenance-free operation; Low self-discharge.

#### IDCUBE Identification Systems Pvt. Ltd.

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