

ELM-ACS6100-PSU SERIES

Enclosures designed to accommodate ACS6100 controller, door and I/O boards in International installations.



ELM-ACS6100-PSU2-6 and -8



ELM-ACS6100-PSU6-16

The ELM-ACS6100-PSU Series Enclosures are a rugged and reliable solution for Brivo Access installations throughout Europe, the UK and other countries worldwide.

Designed in partnership with Elmdene International Ltd., the ELM-ACS6100-PSU series will provide ease of installation, accessible wire management, and high performance for installations of 2-20 doors. These enclosures come standard with power supply and hardware for mounting Brivo Access main controller, door and I/O boards.

KEY FEATURES

- International ACS6100 enclosure with power supply
- (6), (8), and (16) reader models
- Controller and accessory boards sold separately
- DC power supply included
- Locking and non-locking models
- Indoor rated
- Mounting hardware for controller, door and I/O boards included
- Battery fault monitoring
- Backup battery sold separately
- Does not support door power
- CE, UL294

ENCLOSURE SPECIFICATIONS

MODEL NUMBER	ELM-ACS6100-PSU2-6	ELM-ACS6100-PSU2-8	ELM-ACS6100-PSU6-16
ENCLOSURE			
Dimensions, mm	500H x 400W x 80D	500H x 400W x 80D	515H x 478W x 146D
Front Tamper	Yes	Yes	Yes
Rear Tamper	Yes	Yes	Yes
Hinged Lid	Yes	Yes	Yes
Locking	No	No	Yes (x2 Locks)
Color	White	White	White
Battery Size (max) not included	12V 17Ah	12V 17Ah	2 x 12V 7Ah
PCB Fixings Supplied	Yes	Yes	Yes
Brivo Logo (Vinyl label)	Yes	Yes	Yes
Elmdene branded (Instruction sheet / labels)	Yes	Yes	Yes
Certifications			
POWER			
13.8V dc 5A Advanced PSU (4-way fused output module)	Yes	n/a	Yes
13.8V dc 8A PSU (1-way)	n/a	Yes	Yes
Additional 8-way fused output relay	n/a	n/a	Yes
Fused Outputs (Dedicated)	4, max. 5A	1, max. 8A	12, max. 13A
FAULT SIGNALING			
Battery Fault Monitoring (observed polarity)	Yes	No	Yes
Mains Status LED	Yes	Yes	Yes
Fault Status LED	Yes	Yes	Yes (x2)
ORDERING INFORMATION			
Part number	ELM-ACS6100-PSU2-6	ELM-ACS6100-PSU2-8	ELM-ACS6100-PSU6-16
Description	<ul style="list-style-type: none"> • Brivo ACS6100 International Power Enclosure by Elmdene. • Enclosure supports up to 6 doors. Non-locking cabinet. • Accommodates 1 ACS6000-MBE and two ACS6100-DB/IO boards (sold separately). • 13.8VDC 5A Advanced Brivo SMPSU. 	<ul style="list-style-type: none"> • Brivo ACS6100 International Power Enclosure by Elmdene. • Enclosure supports up to 8 doors. Non-locking cabinet. • Accommodates 1 ACS6000-MBE and three ACS6100-DB/IO boards (sold separately). • 13.8VDC 8A Advanced Brivo SMPSU. 	<ul style="list-style-type: none"> • Brivo ACS6100 International Power Enclosure by Elmdene. • Enclosure supports up to 16 doors. Locking cabinet. • Accommodates 1 ACS6000-MBE and seven ACS6100-DB/IO boards (sold separately). • 13.8VDC 5A and 13.8VDC 8A Advanced Brivo SMPSU.

ACCESORIES SPECIFICATIONS & ORDERING INFORMATION



MODEL NUMBER	B-ACS6000-MBE*	B-ACS6100-DB*	ELM-ACS6100-PSU6-16
Description	2 Reader main Controller Board	2 Reader door Expansion Board	Input/Output Expansion Board
System Compatibility	Brivo Access accessory boards	B-ACS6000-MBE	B-ACS6000-MBE
Total Number Credentials	<ul style="list-style-type: none"> Unlimited credentials if connected to Brivo Access Up to 250,000 credentials per panel while offline 	N/A	
Mobile Credential Support	Brivo Mobile Pass	N/A	
Max Number Card Readers	<ul style="list-style-type: none"> 2 on the controller board Up to 30 (14 expansion door boards) 	2 per board	N/A
Event History	60,000 events (FIFO) offline from host	N/A	
Input Points	<ul style="list-style-type: none"> Up to 120 (14 expansion boards) 8 inputs per board On board (2) door position points (2) Request to exit points (4) Auxiliary input points 	<ul style="list-style-type: none"> 8 per board 2 door position 2 request to exit 4 auxiliary 	<ul style="list-style-type: none"> 8 per board Optional 4 state supervision
Output Relays	<ul style="list-style-type: none"> 6 per board, Form C (SPDT) 2 lock switching, 350mA@12VDC (wet) 4 auxiliary relays, 6A@28VDC (dry only) 	<ul style="list-style-type: none"> 4 per board Form C (SPDT) 3A@28VDC 2 lock switching (wet) 2 auxiliary (dry only) 	<ul style="list-style-type: none"> 8 per board Form C (SPDT) 3A@28VDC general purpose (dry only)
Authentication and Encryption	<ul style="list-style-type: none"> ACS6000-E uses TLS1.3, with AES256 encryption. SHA256 certificate with a 4096-bit key length. OSDP support for Secure Communication Protocol (SCP) 	N/A	
Max power consumption	12VDC@1.5A peak (with all relays engaged)	12VDC@500mA peak (with all relays engaged)	12VDC@90mA idle / 400mA peak (with all relays engaged)
Card Reader Inputs	2 RS-485 OSDP or 2 Wiegand (5V max. per input)	2 RS-485 OSDP or 2 Wiegand	N/A
Board dimensions, mm	127mm x 292mm	89mm x 146mm	
Board communication bus	CAN Bus - Use CAT5 (or higher) UTP cable up to 1500 feet		
Temperature and Humidity range	Operating temp: 0-52C Humidity: Max 85% non condensing		
Included components	2 MOV surge suppressors and 16 2K ohm end-of-line resistors		

* -MBE, -DB and -IO boards are sold separately.



Contact us to get started:
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