



Polyester technical enclosures

A complete range of technical enclosures
in glass fiber reinforced polyester
for all your applications



About us

sicame
GROUP

Sicame Group is one of the key players in the electrical equipment business worldwide. It has been able to adapt and develop to support the continuous evolution of electricity infrastructure in France and around the world, and become the largest independent entity in its sector.

A true player in the energy transition, it offers its customers new products and services to improve energy efficiency, deal with environmental risks and support the development of electric vehicle and solar power plant markets.

+65

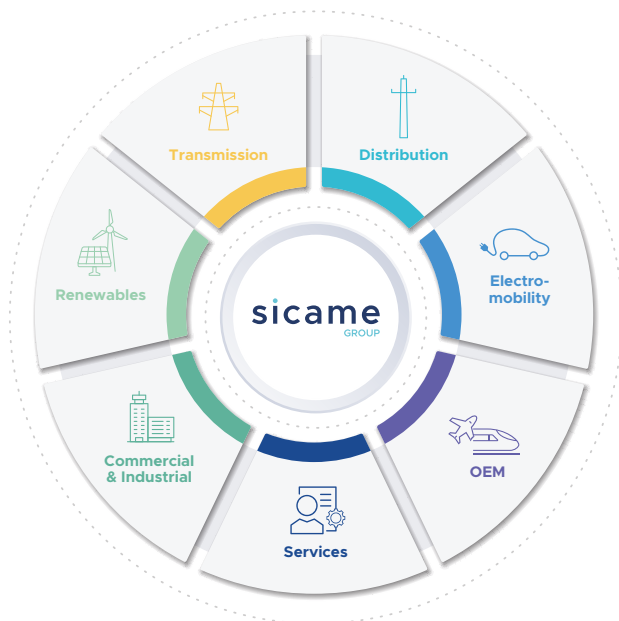
years of worldwide success

567 M€

2023 turnover

3,600

employees



Our fields of activity

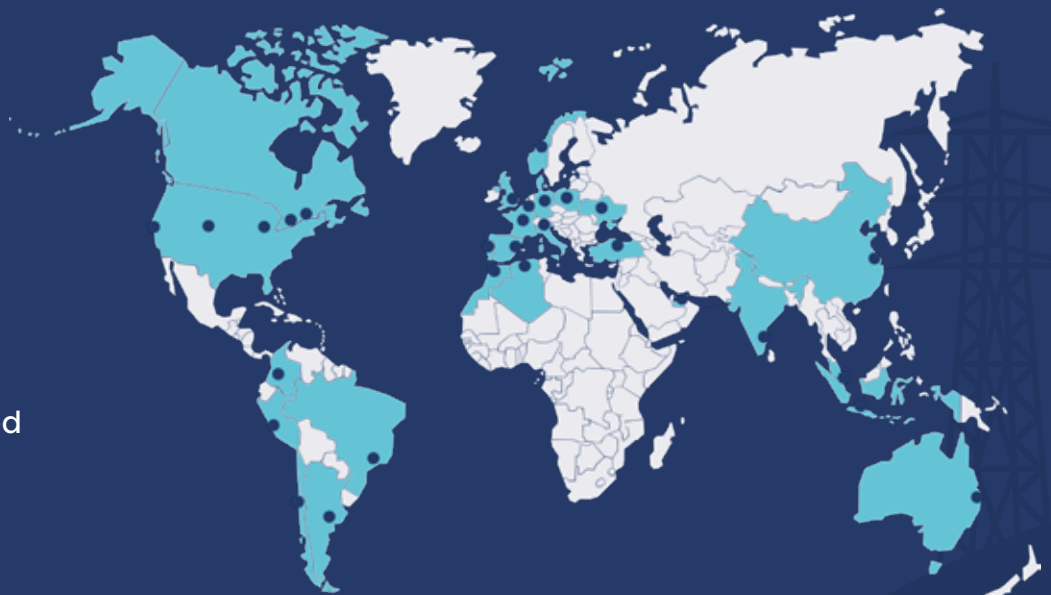
Sicame Group is specialised in **products and services** related to transmission and distribution of **electrical energy**, renewables, electro-mobility, safety equipment and industrial applications.

5 continents

26 countries

50 companies
around the world

Products distributed
in **157** countries





ARED cabinets, made by thermo-compression of glass reinforced polyester, are designed to protect:

- Switchboards
- Monitoring and control equipment
- Instrumentation and measuring equipment
- In extreme harsh and demanding environments
- Photovoltaic applications

Presentation of the range



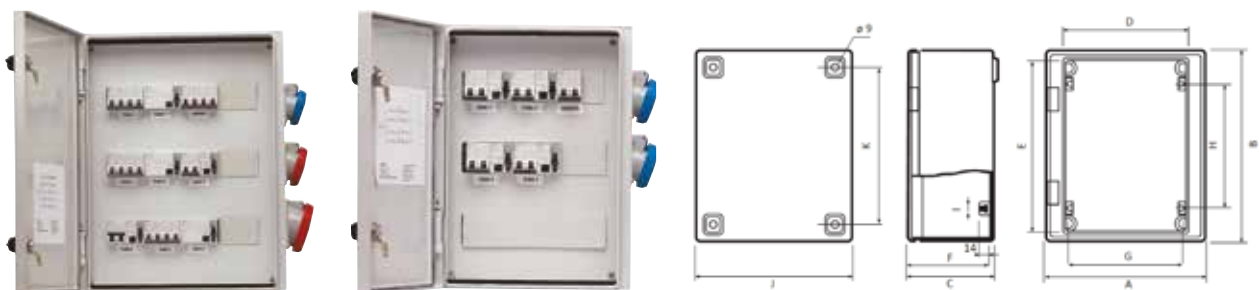
Technical characteristics:

- UL listed file E547071
- Protection degree NEMA 4X as per UL50, UL50e
- Impact Rating IK10
- Continuous operating temperature Range (150F to +302F)
- Flammability Rating UL94-V0
- Self Extinguishing UL94V0 (3mm)
- Outdoor Exposure UL746C (f1) Rated
- Resistant to chemical agents, UV rays, weatherproof
- Electrical properties: HWI UL746A (>120 a 3mm – PLC 0)
- Thermal properties (RTI):

Electrical Strength UL746B (3mm – 105°C)
Mechanical Impact UL746B (3mm – 130°C)
Mechanical Strength UL746B (3mm – 130°C)



- Cabinets made in glass fiber reinforced polyester, color grey RAL 7035
- Closing gasket for high-quality sealing
- Solid door rotating on two invisible hinges, opening angle > 90°
- Locking by 1 or 2 latches (depending on dimensions of the cabinet) with removable key
- Other locking systems available as option
- Padlocking device as an option
- Mountings embossings in the casing
- Supplied with screws to fix equipment on the embossings of the casing
- Supplied with a set of 4 lugs for wall mounting (from the outside of cabinet)



Model	A	B	C	D	E	F	G	H	I	J	K
ARED-325-UL	9.84	11.81	5.51	9.84	11.22	5.03	7.87	7.87	0.25	7.87	9.84
ARED-43-UL	11.81	15.74	7.87	13.77	15.15	7.40	9.84	11.81	0.25	9.84	13.77
ARED-54-UL	15.74	19.68	7.87	17.71	19.09	7.40	13.77	15.74	0.25	13.77	17.71
ARED-64-UL	15.74	23.62	9.05	21.65	23.03	8.58	13.77	19.68	0.33	13.77	21.65
ARED-65-UL	19.68	23.62	9.05	21.65	23.03	8.58	17.71	19.68	0.33	17.71	21.65
ARED-68-UL	33.34	24.21	12.99	30.82	21.45	12.59	24.40	21.10	0.39	28.77	19.09
ARED-86-UL	24.01	33.54	12.99	21.45	30.82	12.59	21.10	24.40	0.39	19.09	28.77



Empty or
equipped
cabinet



Polyester



IK10



NEMA 1, 12, 3R, 3RX, 4X*

(*) ARED-325-UL to 65-UL NEMA 1, 12, 3R, 3R
ARED-68-UL & 86-UL NEMA 1, 12, 3R, 3RX, 4X



The
standards

**ARED cabinets comply with UL50, UL50e, UL508A &
International Electrotechnical Commission IEC 62208**

ARED POLYESTER RANGE

ARED cabinets



AC50532



AC50543



AC50554



AC50564



AC50565



AC50568



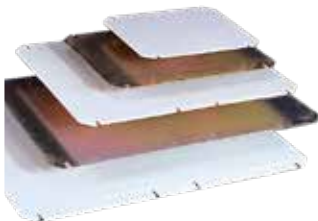
AC50586

And soon:
ARED-108 and
ARED-81.

Code	Reference	H	W	D	Qty/ pallet	No. of closing points	Opening angle
Standard models							
AC50532UL	ARED-325-UL	11.81	9.84	5.51	100	1	> 90°
AC50543UL	ARED-43-UL	15.74	11.81	7.87	64	2	> 90°
AC50554UL	ARED-54-UL	19.68	15.74	7.87	30	2	> 90°
AC50564UL	ARED-64-UL	23.92	15.74	9.05	30	2	> 90°
AC50565UL	ARED-65-UL	23.62	19.68	9.05	24	2	> 90°
AC50568UL	ARED-68-UL	24.21	33.34	12.99	8	2	180°
AC50586UL	ARED-86-UL	33.54	24.01	12.99	8	2	180°

ACCESSORIES

Code	Reference	H	W	D	Units/package
Polyester back panels					
SP53200	DF-325-UL	10.23	8.77	0.15	10
SP54300	DF-43-UL	14.17	10.82	0.15	10
SP55400	DF-54-UL	18.11	14.76	0.15	10
SP56400	DF-64-UL	22.04	14.76	0.15	10
SP56500	DF-65-UL	22.04	18.7	0.15	10
SP86000	DF-86-UL	29.92	22.04	0.15	1



Find all the information about our products and applications on our **WEBSITE**.

Product information: descriptions, references, technical sheets, EC certificates, etc.

Energy distribution



Industries



Energy companies



Renewable energies



Public space





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