

PW-GREEN

Low voltage fuse panels – 1000V



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Low voltage fuse panels – 1000V

(IP30 – IP55, from FORM 1 to FORM 4).

Cabinets specifically designed to house fused units and distribute low-voltage power from renewable sources, ensuring protection and control in distribution networks.

Main characteristics

- Assembled sheet metal enclosure (upright thickness: 20/10 mm).
- Degree of protection from IP30 (cabinet without door) up to IP55 (cabinet

equipped with transparent tempered glass door).

- Compartment equipped with side and horizontal partitions, rear wiring plate with female connector for auxiliary circuits and power pliers.
- Compartment prepared for multi-brand fused units (ABB, etc.).
- Dedicated busbar trunking duct for the connection of fused units.
- Possibility of side connection.

- RAL 7035 B epoxy powder coating (other colours on request).
- Enclosures available in stainless steel on request.
- Patented and certified earthing system.
- Reinforced plinth for a safe handling of the enclosure.
- Full range of internal finishin accessories to meet any requirement.



Typology



Open-frame cabinet, IP30:

Compartmentalized cabinets with fused units mounted on open-frame doors, IP30.



Cabinet with glass door IP55:

Compartmentalized cabinets with fused units mounted on internal doors and external glass door, IP55.



Inox: on request, stainless steel cabinet.



Front access



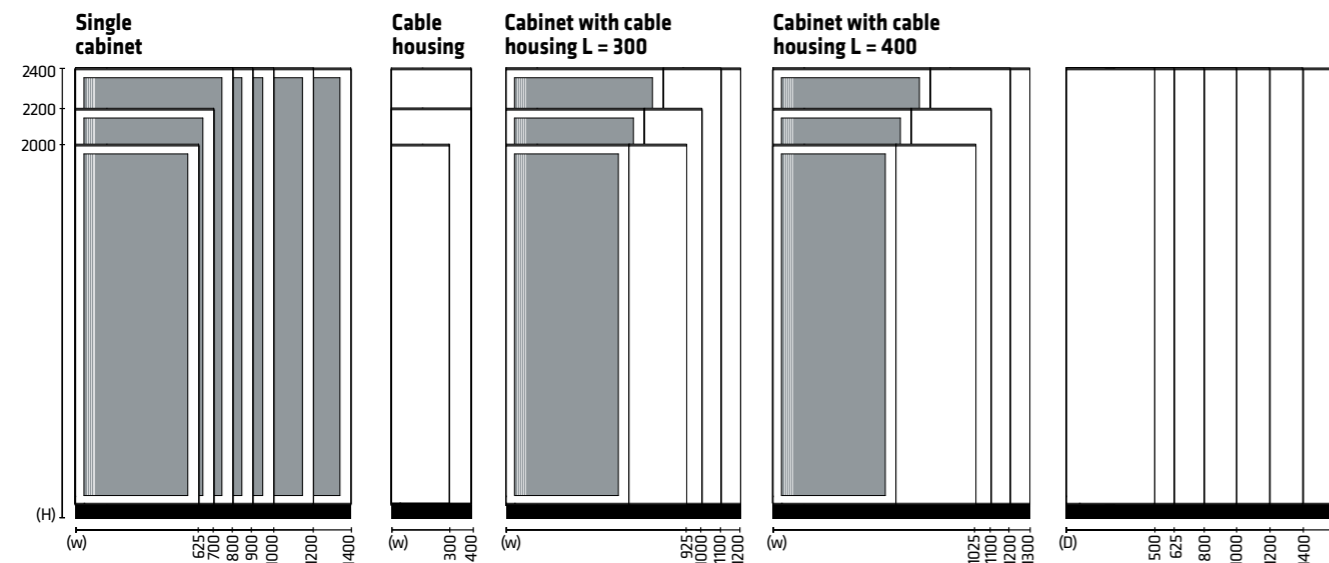
Rear access



Technical specifications

	Width (W) mm	Height (H) mm	Depth (D) mm	
Cabinet	625 (24 modules)	2000 / 2200 / 2400 (usable space = H - 200)	500 / 625 / 800 / 1000 / 1200 / 1400 / 1550	
	700 (24 modules)			
	800 (34 modules)			
	1000 (46 modules)			
	1200 (54 modules)			
	1400 (62 modules)			
Cable housing	300	2000 / 2200 / 2400	500 / 625 / 800 / 1000	
	400	(usable space = H - 200)	/ 1200 / 1400 / 1550	
Cabinet with cable housing	625 + 300 (24 modules)	2000 / 2200 / 2400 (usable space = H - 200)	500 / 625 / 800 / 1000 / 1200 / 1400 / 1550	
	700 + 300 (24 modules)			
	800 + 300 (34 modules)			
	625 + 400 (24 modules)			
	700 + 400 (24 modules)			
	800 + 400 (34 modules)			
Back to back cabinet	On request			
Electrical data		Rated insulation voltage (U _i)	1000 V	
	Voltage ratings	Rated operational voltage (U _o)	1000 V	
		Rated impulse withstand voltage (U _{imp})	Up to 12 kV	
		Rated frequency (f _n)	50 / 60 Hz	
		Rated current (I _n)	Up to 6300A	
	Current ratings	Rated short-time withstand current for 1 sec. (I _{sw})	Up to 105 kA	
	Mechanical characteristics	IP degree of protection	Internal	Up to IP2X
			External enclosure	From IP30 to IP55
		Covers height (h)	150 / 200 / 250 / 300 / 350 / 400 / 450 / 500 / 600 / 700 / 800 / 900 / 1000	
IK test (shock resistance)		IK09 glazed door		
		IK10 blind door		
Access		From the front / Side / Rear		
Execution		Form 1 / Form 2a / Form 2b / Form 3a / Form 3b / Form 4a / Form 4b		
Material		Structure	Pickled plate 15/10 - 20/10 mm thick	
		Accessories	Aluzinc® sheet steel 15/10 - 20/10 - 25/10 mm thick	
Powder coating		Standard	RAL 7035 B light grey (orange peel)	
		On request	Powder RAL colours and stainless steel	
Plastic components		Halogen-free, flame retardants, self-extinguishing, CFC-free		
Bars treatment		Alubar	standard: tin	
			on request: Nickel/ Silver	
			Copper	standard: none
on request: Tin/ Nickel/ Silver				

All Lafer cabinets have been designed to be used in indoor environments. In case of outdoor applications, customers should require the supply of the specific rain canopy. Lafer shall not be held liable for any damage resulting from the non-observance of these guidelines.



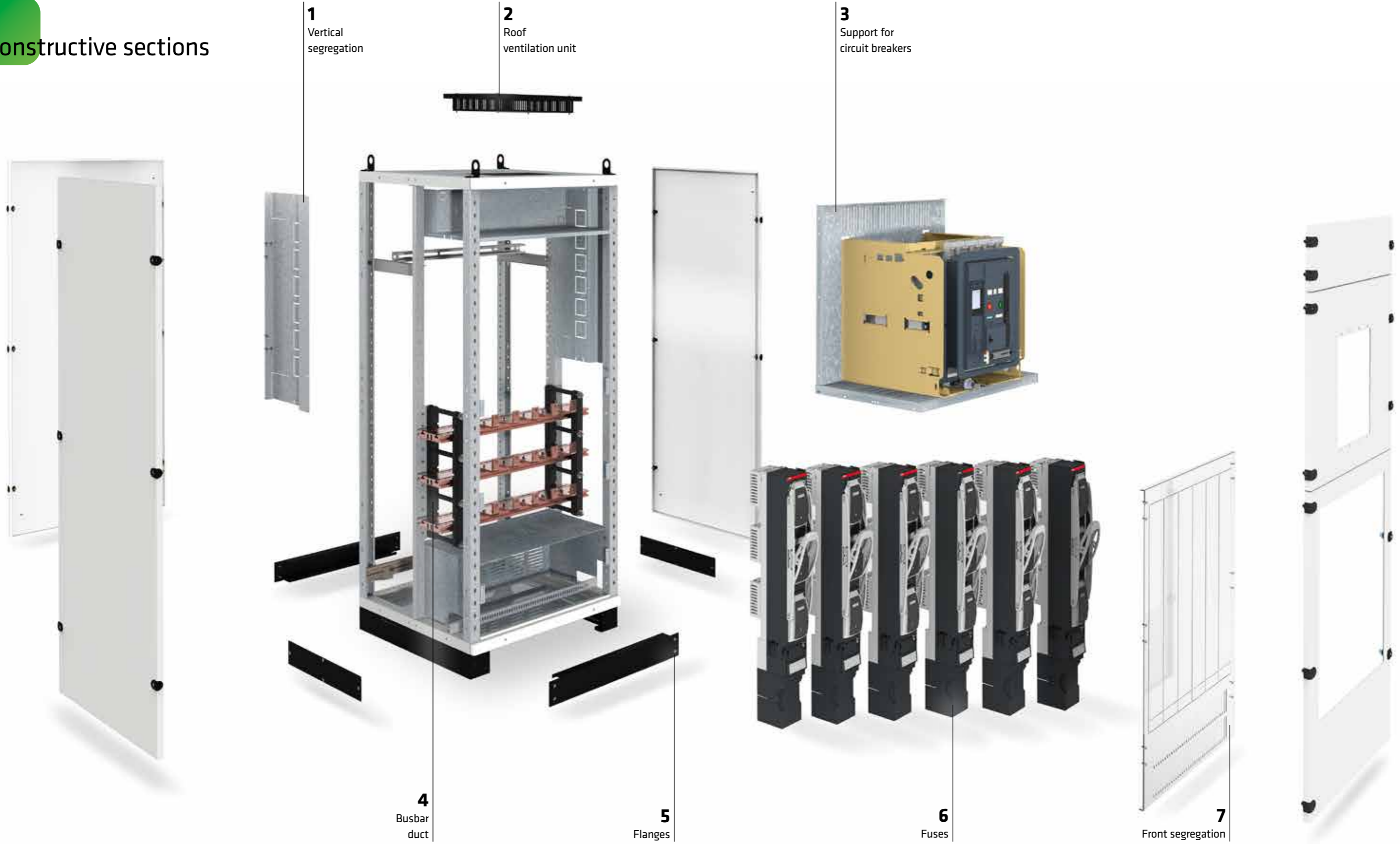
Certifications



IEC 61439-1	test n° B0008006 test n° B5002265	Short circuit I_n=6300 A e I_{cc}=150 kA per 1 sec. • Short circuit verification • Verification between the equipment masses and the protection circuit
IEC/TR 61641 CEI 17-86	test n° B0009515 test n° B5014994	Internal arc fault verification 105 Ka for 300 msec.
IEC 61439-1 IEC/TR 61641	test n° B0007840 test n° 02472-15-0378	Overtemperature limits verification • Dielectric properties verification: impulse and industrial frequency test. • Clearance and creepage distance verification.
CEI EN 60529	test n° B0011835	Degree of IP55 protection category 2 verification
IEEE Std 693-2005 IEC 60068-2-57 IEC 62271-300 Transelect	test n° B3020295	Seismic test with acceleration 1,0g



Constructive sections



PW-Green series

Design and buy your Lafer panel online thanks to our free planning configurator Fast-One.





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