



Compact

Electrical cabinets for industrial and service sector up to 1600 A





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Lafer. Around you



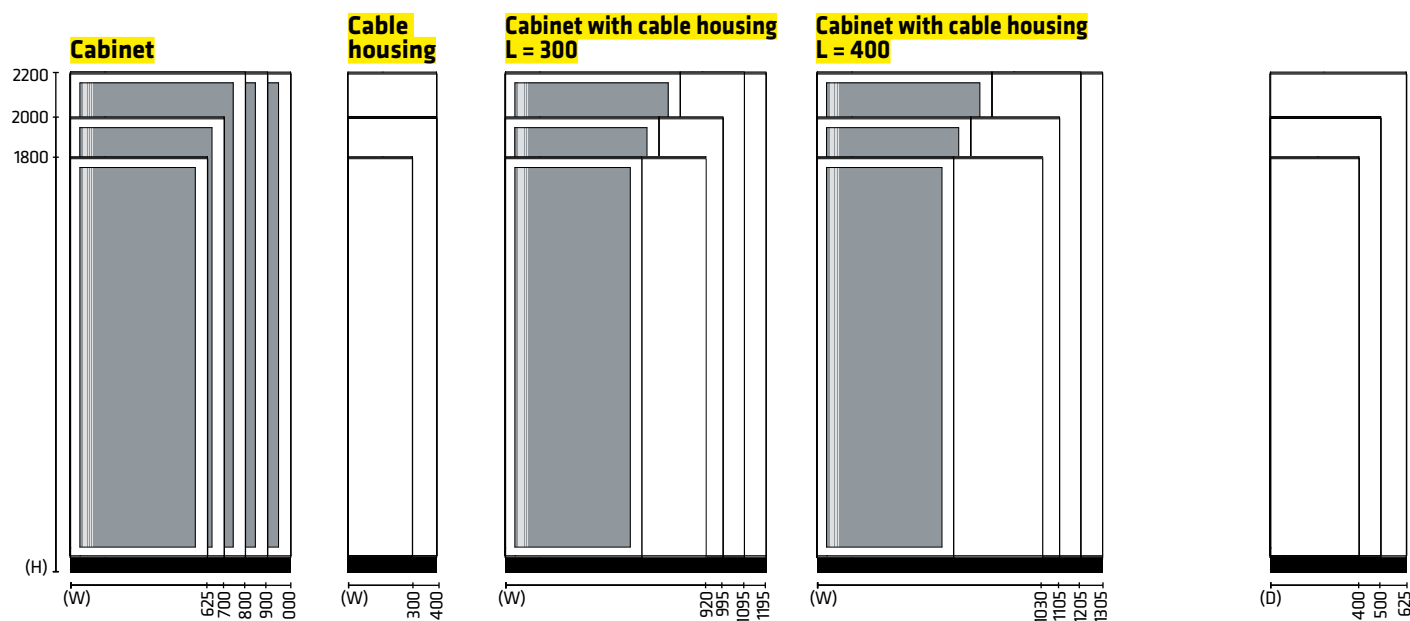
Versatile and strong.

They offer a quick wiring solution with a wide range of solutions: wiring plate, internal wiring frame, inner door and swivel frame. Same internal accessories available for Quick, Slim and Easy 630 series thanks to the ModularDINTM system that enables rapidity and precision of the assembly of modular circuit breakers.

Main characteristics

- Assembled structure made of sheet with a thickness of 2 mm.
- Degree of protection from IP30 (open version) to IP55 with blind door or transparent door with toughened glass.
- Possibility of side connection.
- Installation of circuit breakers of all leading manufacturers (ABB, Schneider, Siemens, etc.).
- Epoxy powder coating after phosphating in RAL 7035 B (other colours on request).
- Patented and certified earth connection system.
- Full range of internal finishing accessories to provide solutions for any requirement.
- On request, stainless steel cabinet.

Technical specifications



	Width (W) mm	Height (H) mm	Depth (D) mm
Cabinet	625 (24 modules)	1800 / 2000 / 2200 (usable space = H - 200)	400 / 500 / 625 (usable space = 218)
	700 (24 modules)		
	800 (34 modules)		
	900 (36 modules)		
	1000 (46 modules)		
Cable housing	300	1800 / 2000 / 2200 (usable space = H - 200)	400 / 500 / 625
	400		
Cabinet with cable housing	625 + 300 (24 modules)	1800 / 2000 / 2200 (usable space = H - 200)	400 / 500 / 625
	700 + 300 (24 modules)		
	800 + 300 (34 modules)		
	900 + 300 (36 modules)		
	625 + 400 (24 modules)		
	700 + 400 (24 modules)		
	800 + 400 (34 modules)		
	900 + 400 (36 modules)		

Electrical data	Voltage ratings	Rated insulation voltage (U_i)	690 V
		Rated operational voltage (U_e)	400 V
		Rated impulse withstand voltage (U_{imp})	6 / 8 / 12 kV
		Rated frequency (f_n)	50 / 60 Hz
	Current ratings	Rated current (I_n)	Up to 1600 A
		Rated short-time withstand current for 1 sec. (I_{cw})	70 kA

Mechanical characteristics	IP degree of protection	Internal	Up to IP2X
		External enclosure	From IP30 to IP55
	Covers height (h)	150 / 200 / 300 / 400 / 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	
	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	

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 cover. Lafer shall not be held liable for any damage resulting from the non-observance of these guidelines.

Typology

Cabinet: assembled structure made of sheet with a thickness of 2 mm.



Cabinet with cable housing: assembled structure made of sheet with a thickness of 2 mm, with cable housing for cables, terminal block or busbar system.



Cable housing: assembled structure made of sheet with a thickness of 2 mm, which can be positioned near the cabinet.

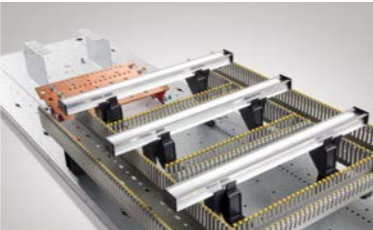


IP30 frame: it is possible to replace the glass door with the IP30 frame (open version).



Inox: on request, stainless steel cabinet.

Wiring modality



Wiring plate: plate made of sheet with a thickness of 2,5 mm, removable from the front for bench wiring. Plate with more holes to fasten ModularDIN™ and supports of any brand of circuit breakers.



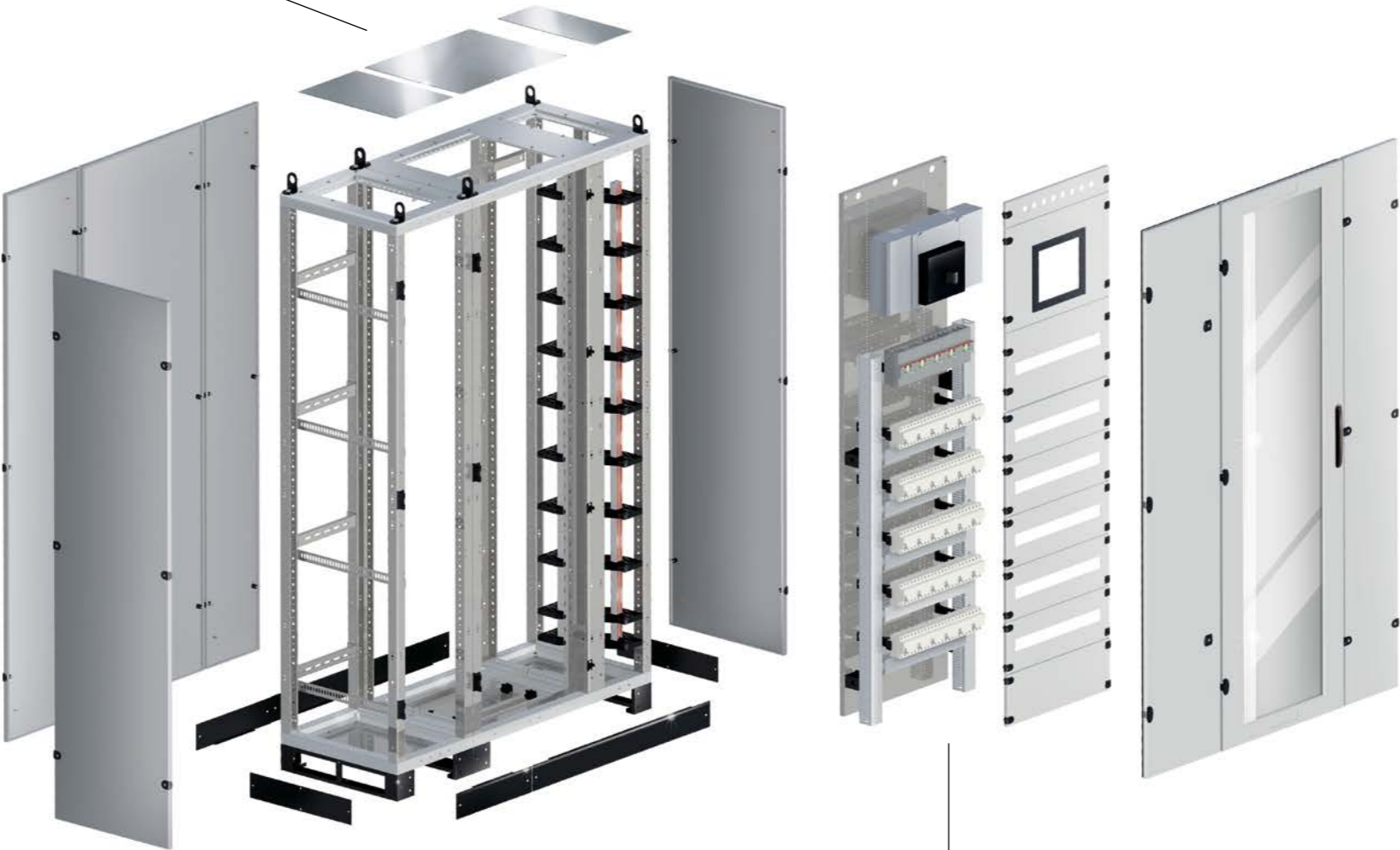
Internal wiring frame: two vertical uprights made of Aluzinc sheet steel with a thickness of 2 mm to fasten ModularDIN™ and supports of any brand of circuit breakers.



ModularDIN™ system: rapidity of assembly and disassembly of aluminium LDIN modular rails with the new joint system without screws. It is compatible with the most splitter blocks commercially available.



Cable ducting fastening: kit for fixing the cable ducting vertically.



Outer details

Glass door: made of sheet 2 mm thick with grey toughened glass.



Holed covers: covers arranged with holes for devices and circuit breakers of any brand. According to the type of circuit breaker used, we supply a specific support kit.



Hinges and locks: an exclusive system developed by Lafer that enables a quick opening and closing of covers through screws by ¼ turn. All covers are reversible: it is possible to invert the locks with the hinges in few seconds.



Door disassembly: it is possible to remove the door completely by taking out the outer pin hinge.



Inner details



Inner door: designed with glass door and inner door.



Swivel frame: frontal glass door with hinged covers fixed on a swivel frame in order to get directly to the wiring plate.



Sloping Smart-Energy: busbar system placed on the cable housing W= 300 and W=400 and on the top.



Linear Smart-Energy: vertical busbar system placed on circuit breakers space and on the top of the cabinet.

