

Switching Matrix

- Innovative in energy storage & Power Electronics
- Custom-made solutions
- Complete solution: storage & Power Electronics
- Design and system integration

Features

- Possibility to connect up to 6 charging points
- Power and communication transfer between charger and charging points
- Owasys as main controller
- Galvanically isolated from all other connections (charger and charging points)

Applications

- Charging 6 electrical vehicles simultaneously

Mechanical Data

Height x Width x Depth
800 x 1200 x 400 mm
Approx. 160 kg

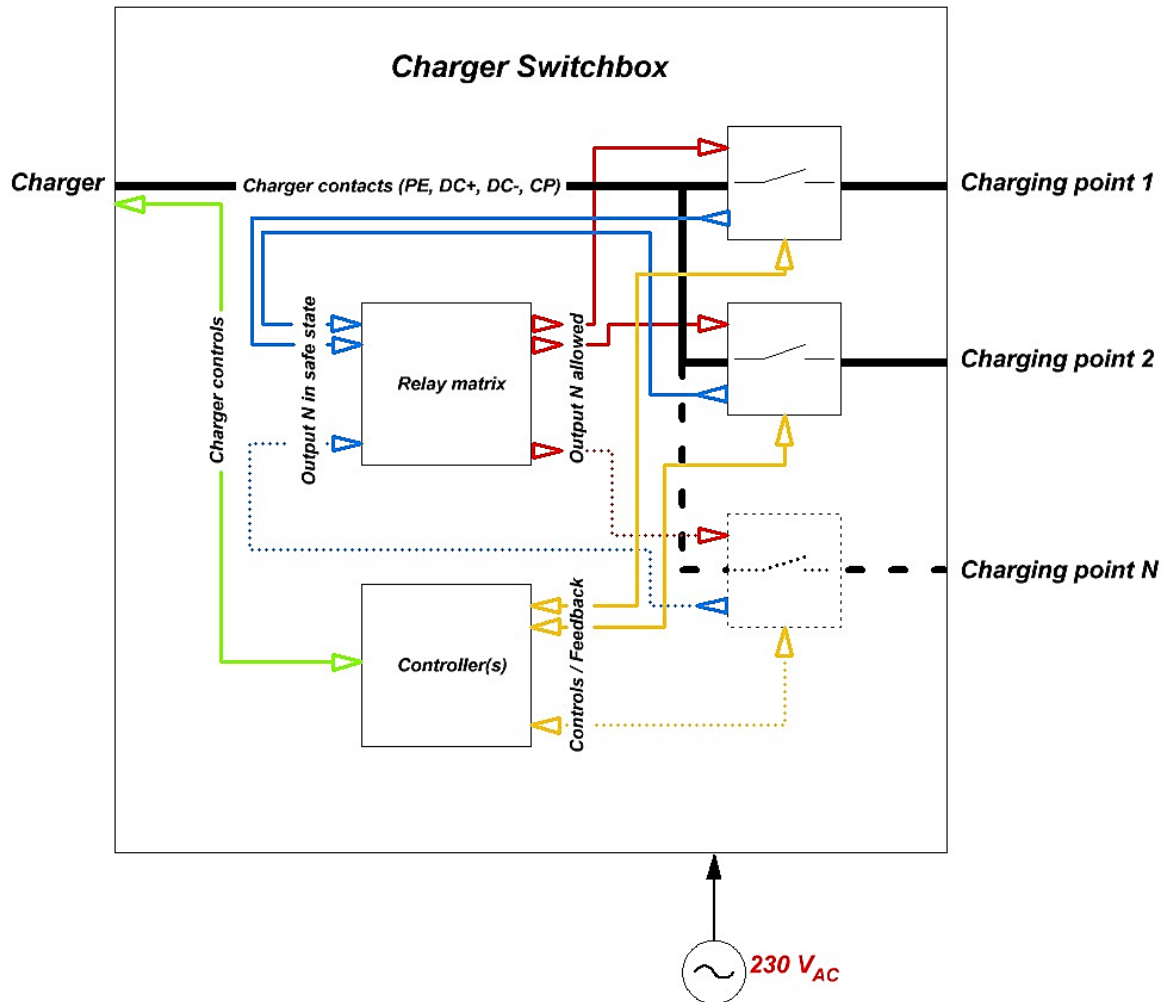
aephybridpower.com
sales@aephybridpower.com
+31 (0)78 692 2100



Technical Data

Symbol	Parameter	Description	Value	Unit
General				
U_{DC}	Operating voltage		± 500	V_{DC}
I_{DC}	Operating current		300	A_{DC}
	Auxiliary Supply		230	V_{AC}
			16	A
	Internal Power Supply	Phoenix Contact QUINT-PS: INPUT	100 - 240	V_{AC}
		Phoenix Contact QUINT-PS: OUTPUT	24	V_{DC}
			10	A
Environment				
T_{AMB}	Ambient temperature		0 till +45	$^{\circ}C$
	Cooling type	No cooling / Air cooling (optional)		
	International Protection Rating		54	
Communication				
	Data	CAN		
Mechanical Data				
	Length		800	mm
	Height		1200	mm
	Depth		400	mm
	Weight		160	kg
Connections				
	Cable bracket IN		1 x 95	mm^2
	Cable bracket OUT		6 x 185	mm^2

Basic Block Diagram overview





Mechanical Dimensions

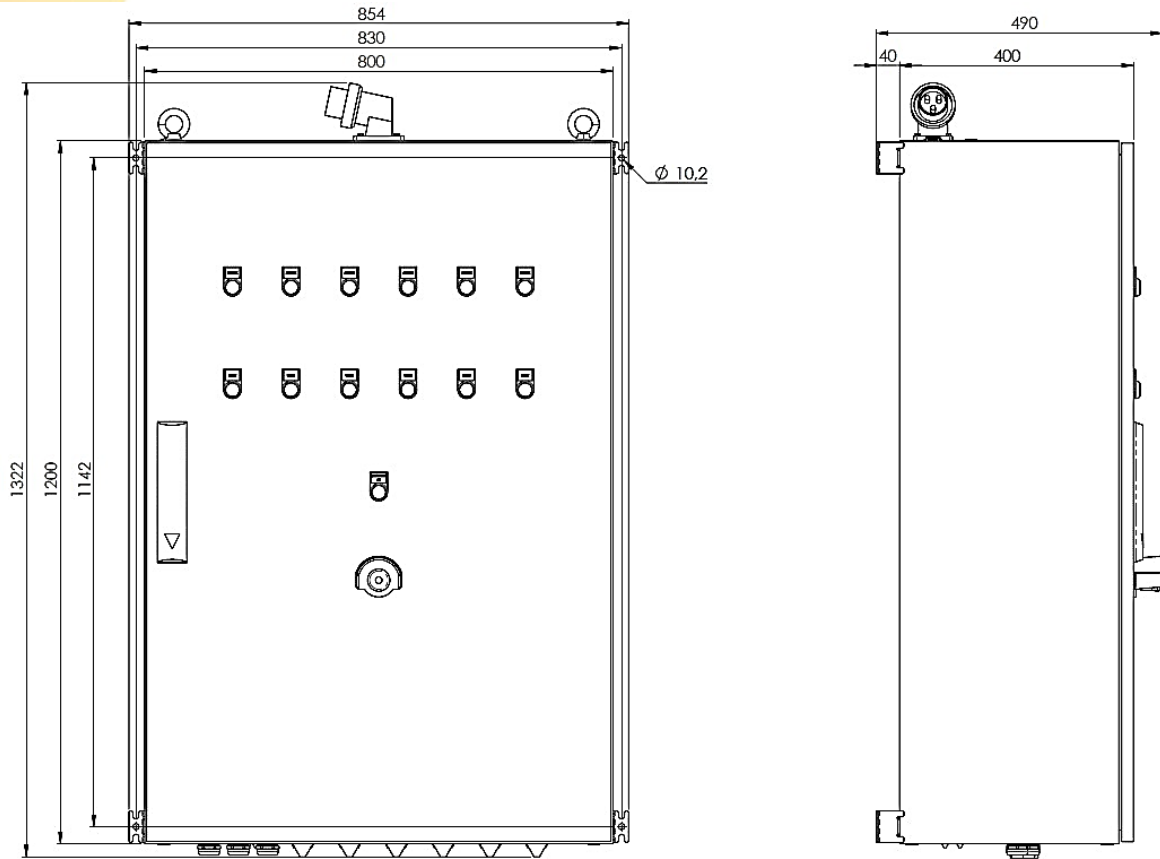


Figure 1: Front & Side view with mounting brackets

