

# EnergyHub Wall

7 - 14 kVA

ferroamp

	EnergyHub Wall	
<b>AC side</b>	7 kVA	14 kVA
Rated AC power	7 kVA	14 kVA
Reactive power capability	Full 4-quadrant capability within current limit	
Rated AC voltage	230/400 VAC	
Rated mains frequency	50 Hz	
AC connection	5-wire (L1, L2, L3, N, PE)	
Fusing	MCB type B, 3x10 A	MCB type B, 3x20 A
<b>DC side</b>		
DC bus voltage, $V_{DC}$	760 V (nominal)	
DC bus voltage range, $V_{DC}$	720 - 800	
Maximum DC bus current, $I_{DC(max)}$	10 A	20 A
DC bus connection	4-wire (L+, M, L-, PE)	
Max efficiency DC to AC	98.5 %	
Max efficiency AC to DC	98.0 %	
DC bus communication	Narrow band power line communication (PLC)	
<b>Physical</b>		
Dimensions H x W x D	530 x 350 x 176 mm	
Weight	21 kg	23 kg
Color	Black	
<b>Installation</b>		
Ambient temperature <sup>1)</sup>	-10°C – 45°C	
Humidity	0 – 95% RH non condensing	
Degree of protection	IP 21	
Maximum altitude	2000 m	
AC connector	Phoenix Contact PRC 5, screw terminal max 6 mm <sup>2</sup>	
DC bus connector	Phoenix Contact Combicon, screw terminal max 6 mm <sup>2</sup>	
<b>System design</b>		
Max units in parallel	1 – 4 units (max 56 kVA)	
Maximum DC bus cable length <sup>2)</sup>	200 m	
Measurement data	AC x 3: Voltages, currents, phase angles, DC: voltage, current	
Connectivity	Ethernet, USB, CAN	
<b>Compliance</b>		
LVD	EN 62019-1, EN 62109-2	
EMC	EN 61000-6-2, EN 61000-6-3	
Grid connection	EN 50549-1	
RoHS	Yes	
Protection functions	AC overvoltage protection cat III, DC overvoltage protection cat II, DC bus short circuit, Overtemperature	

1) Output power may be derated if ambient temperature exceeds 30 °C

2) Consult Ferroamp for design guidelines for projects with cable lengths exceeding 200 meters

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