# Wireless Charging 48V

### **ATOMBOTIX**



#### High Efficiency & Energy Saving



90% transmission efficiency cuts energy use, speeds up charging, boosts energy efficiency, and cuts costs

#### **Flexible Adaptation**



Constant-current to constant-voltage charging management smartly suits diverse devices. It precisely handles low-battery quick charging and full-battery trickle charging for optimal results

#### **Robust & Durable**



Safety & Reliable

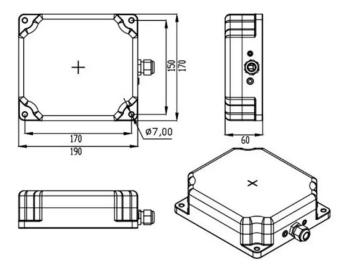
The contactless charging mechanism eradicates the potential hazards of electric shock and current leakage, ensuring a secure and dependable charging experience IP67-rated transmitter and receiver. The sealed design resists dust and water. Stable in any setting, from dusty outdoors to humid indoors, it offers lasting, reliable charging

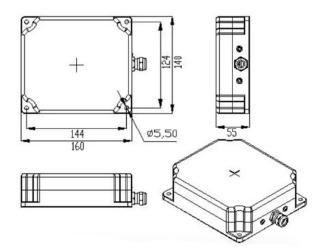
Model	AB-WLC1200-48V20A	AB-WLC3000-48V50A
Electrical Parameters		
Rated Power	1200 W	3000 W
Front-end Power Supply Voltage Input	90-264 VAC	110-264 VAC
Rated Output Voltage	40-60 VDC	40-60 VDC
Rated Output Current	0-20 A	50 ± 1 A
Max. Transmission Efficiency	≥85%	≥87%
Essential Parameters		
Vertical Working Distance	10-40 mm	40-80 mm
Max. Horizontal Offset Distance	X - axis: 20 mm; Y - axis: 10 mm	X - axis: 50 mm; Y - axis: 10 mm
Charging Management	Constant Current & Constant Voltage	Constant Current & Constant Voltage Charging
	Charging Management	Management
Over-temperature Protection	Support	75 ± 2℃
Over-current Protection	Support	55 A (preset current 50 A)
Over-voltage Protection	Support	61 VDC (preset voltage 60 V)
Receiver Communication Interface	RS485, CAN	CAN, 485
Transmitter Communication Interface	RS485, CAN	CAN, 485
Alarm and Charging Status Indication	Indicator light alarm	Indicator light alarm
RF Data Communication Frequency	2.4 GHz	2.4 GHz
Cooling Method	Natural cooling	Natural cooling

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Dimensions			
Transmitter Size	190 mm × 170 mm × 59 mm	(300 ± 2) mm × (300 ± 2) mm × (80 ± 0.5) mm	
Receiver Size	190 mm × 140 mm × 49 mm	(250 ± 2) mm × (250 ± 2) mm × (70 ± 0.5) mm	
Front-stage Power Supply Size	λ	(520 ± 1) mm × (300 ± 1) mm × (123 ± 2) mm	
Transmitter Weight	3 kg	10 ± 0.2 kg	
Receiver Weight	2.3 kg	10 ± 0.2 kg	
Front-stage Power Supply Weight	$\backslash$	13.5 ± 0.2 kg	
Environment Parameters			
Working Temperature Range	-40°C-60°C	-40°C-60°C	
Working Humidity Range	0-85%	0-85%	
Storage Temperature	-25°C-85°C	-20°C-70°C	
Protection Level			
Emitter Protection Level	IP67 (Encapsulation)	IP65	
Receiver Protection Level	IP67 (Encapsulation)	IP65	
Power Supply Box Protection Level	Ν	IP54	







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