



WATTI GUARD | EV Charger & Whole Home Surge Protector For Residential Panel Applications | Up to 200 kAIC

Watti Guard is a compact, high-performance surge protector built to safeguard EV chargers and electrical panels in residential and light commercial environments. Rated for up to 100 kA per phase with a 200 kAIC fault current capacity, it uses thermally fused MOV suppression with gas discharge tube (GDT) backup to protect against surges and lightning events. Its NEMA 6 (IP66) enclosure ensures dependable indoor or outdoor operation.

An LED status indicator, audible alarm, and built-in EMI/RFI noise filtering provide added assurance for long-term protection. Watti Guard installs quickly and is backed by a lifetime warranty. Optional panel and flush mount kits are available for flexible installation.



Small Size. Serious Protection.



Code-Compliant Design

Meets NEC 2020 and 2023 requirements for Type 1 or 2 SPDs on residential panels, and carries a UL 96A Lightning Protection Master Label certification –ensuring inspectors and specifiers are covered.



Installer-Friendly Features

Built-in LED status lights and an audible alarm provide immediate feedback on protection status. Its compact design fits cleanly into residential layouts, and optional accessories enable seamless flush-mount or in-panel installations.



EV Charger Protection

Specifically designed to safeguard Level 2 EV chargers, protecting against voltage surges from lightning strikes, grid switching, and nearby faults. Its NEMA 6-rated enclosure allows for reliable indoor or outdoor installation.



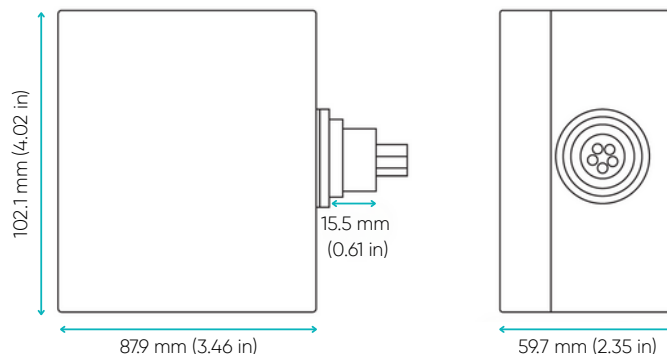
Reduced Callbacks

Advanced TFMV and gas discharge tube (GDT) suppression technology protects connected equipment from repeated surge damage—helping contractors reduce warranty claims and avoid costly return visits.

TECHNICAL SPECIFICATIONS



Model Name	Watti Guard	
Model Number	EAB3K0L7	
Power Specification		
System Voltage	120/240 VAC	
System Wiring	3W+G (1-Phase)	
Maximum Operating Voltage (MCOV)	L-N	140
	N-G	120
	L-G	140
	L-L	280
Voltage Protection Rating (VPR)	L-N	700
	N-G	1,200
	L-G	1,200
	L-L	1,,200
Operating Current (Ic)	<10 mA	
Follow Current (If)	None	
Maximum Leakage Current (Ipe)	1 mA	
Frequency (f)	50/60/400 Hz	
Nominal Discharge Current Per Mode (In)	20 kA	
Maximum Discharge Current (Imax)	100 kA	
Short Circuit Current Rating (SCCR)	150 kA	
Protection		
EMI/RFI Filtering	1283 Electromagnetic Interference Filter (-40 dB)	
Thermal Disconnecter	Internal to Each Component	
Overload Disconnecter	Internal to Each Device	
Failure Indicators	LED & Audible Alarm	
Environmental		
Operating Temperature	-40°C ~ 85°C (-40°F ~ 185°F)	
Housing-Enclosure Material	Cast Aluminim	
Mounting Type	Nipple/Wall Mounting, Bracket Mount (Not Included) or Flush Mount (Cover Not Included)	
Environmental Rating	NEMA 6, IP65, IP66, Indoor/Outdoor	
Connection Type	Lead Length: 24" / #12 AWG	
Regulation		
Standards, Compliance, Recognition	UL 1449 5th Edition Type 1 Listed, UL Listed to US and Canadian Safety Standards	



12.7 mm (0.5 in) NPT Adapter Included