WATTCH CT MONITORING KIT

ENERGY STAR · ETL LISTED US · 2 YEAR LIMITED WARRANTY

Unlimited scalable EV Charging. Prevent overloads, avoid costly electrical upgrades.

The Wattch CT Monitoring Kit EVEMS enables dynamic load balancing—automatically adjusting EV charging power as building demand changes to prevent overloads and avoid costly electrical upgrades.

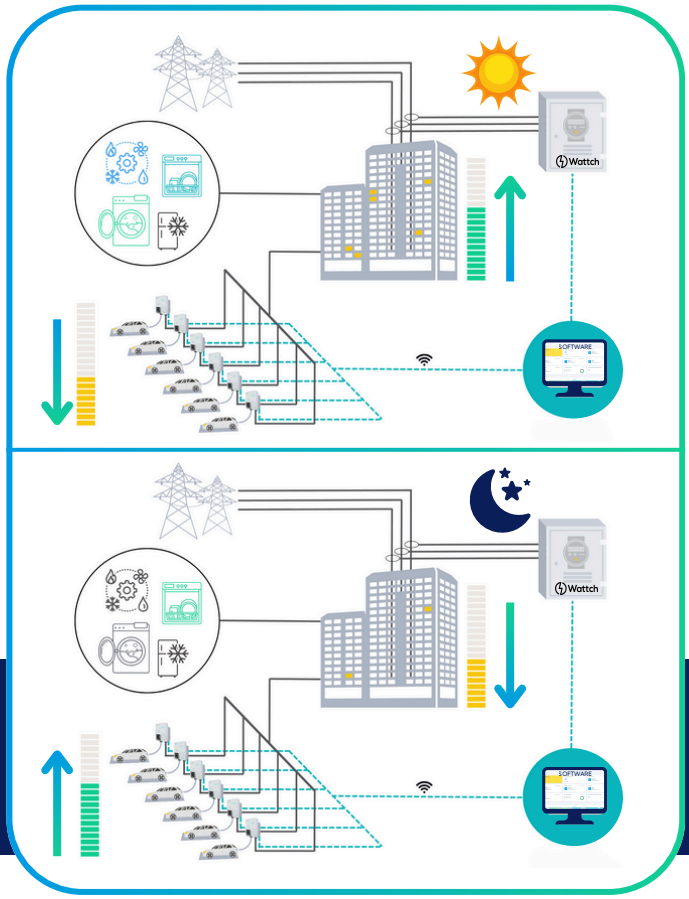
Dynamic load monitoring
Monitor unmanaged building loads in real time.

3 Phase load balancing
Adjust charging loads based on building demand across all 3 phases

Approved for the CEC/NEC
CSA and cUL Approved up to 5000A 208/240/480/600V

LAN or 4G networking
Pre configured with LAN, 4G

Future-proof scalability
Add more chargers without expanding your electrical service.



Designed for multiple applications:

- Commercial Buildings
- MURBs
- Fleet Depots
- Retrofit Projects

TECHNICAL SPECIFICATIONS

Model Name	Wattch	
Model Number	WDAS-L3	
Installation Type	Non-Penetrating Wall-Mount (Flange Kit Included)	
Safety	UL 508A, UL 1077	
Power Specification		
AC Input	Input Voltage[1]	180-500Vrms L-L
	Input Protection[2]	2A Class CC Fuses on L1, L2, and L3 Inputs
	Frequency	50Hz/60Hz
	Power Consumption[3]	Average: 9W Peak: 43W
DC Output	Output Voltage[4]	Up to 1A
	Output Current[4]	Up to 24V DC
CT Input	Compatible with any 333 mV CT (CTs Not Included)	
Performance		
Resolution	10 Second Nominal Configurable Down to 1 Second	
Device Limit	250 Devices over Ethernet 32 Devices over RS-485	
Storage[5]	Up to 3 Months of Offline Data Storage Capacity	
Interface & Communication		
Interface[6]	(1) RS-485	
Network Connectivity[7]	LTE Cat 4 Modem with Multi-Carrier Compatibility	
Internal Communication	Modbus/RTU or Modbus/TCP	
Environmental		
Operating Temperature	-20°C to 70°C (-4°F to 158°F)	
Relative Humidity	20-90% Relative Humidity, Non-Condensing	
Protection Level	NEMA 4X / IP67, Outdoor-Rated	
Mechanical		
Enclosure Dimensions (W x H x D)	300mm x 400mm x 187 mm (11.82in x 15.75in x 7.37in)	
Weight	5.4kg (12lb)	
Enclosure	Ensto WPCP304018G	
Regulation		
Certificates	UL 508A, UL 1077, ANSI C12.20	

1. A neutral is required to power the meter. DAS is powered from L1-L2.
2. An upstream means of disconnect must be provided in order to de-energize the DAS.
3. The sum of all three phases (if connected), highest draw on L1 to power the 24V rail.
4. Available for external devices and sensors. Switched via UL 1077 supplementary protector.
5. The exact value varies with the number of configured devices
6. If ethernet communication is desired, an ethernet switch must to be used. Please contact Electric Avenue for recommended solution.
7. Requires data plan.