HYSUN CT-Clamp SolutionCT-Clamp Solution Instruction Manual

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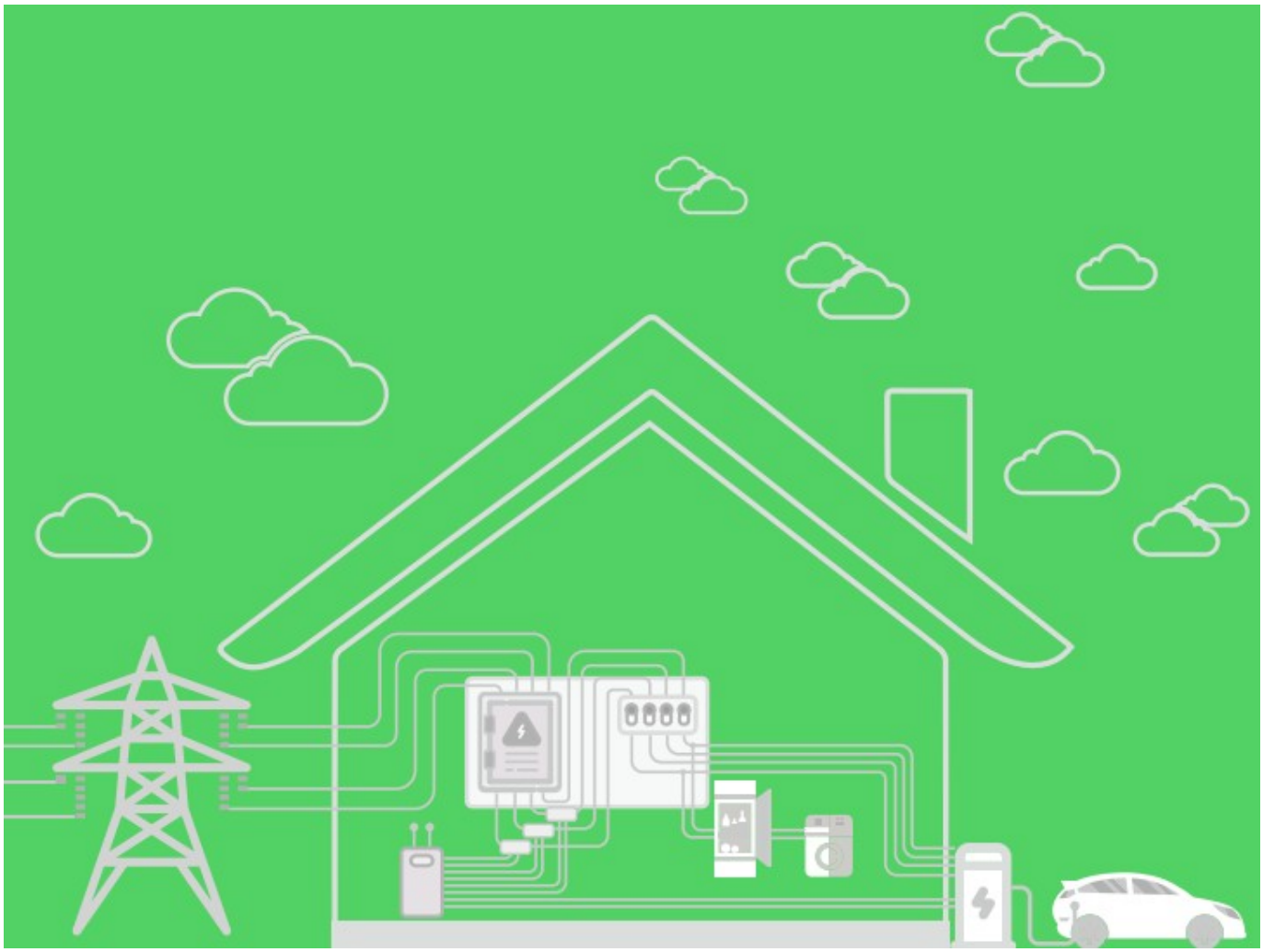
Dynamics Load Balance
CT-Clamp Solution
— Clean energy for a brighter future



Introduction

We offer load balancing solutions for home charger customers that are based on CT hardware implementation. This solution allows for configurations where the total load exceeds the fuse capacity, while ensuring safe operation by preventing fuse trips. Here's how it works:

Additional CT Kit

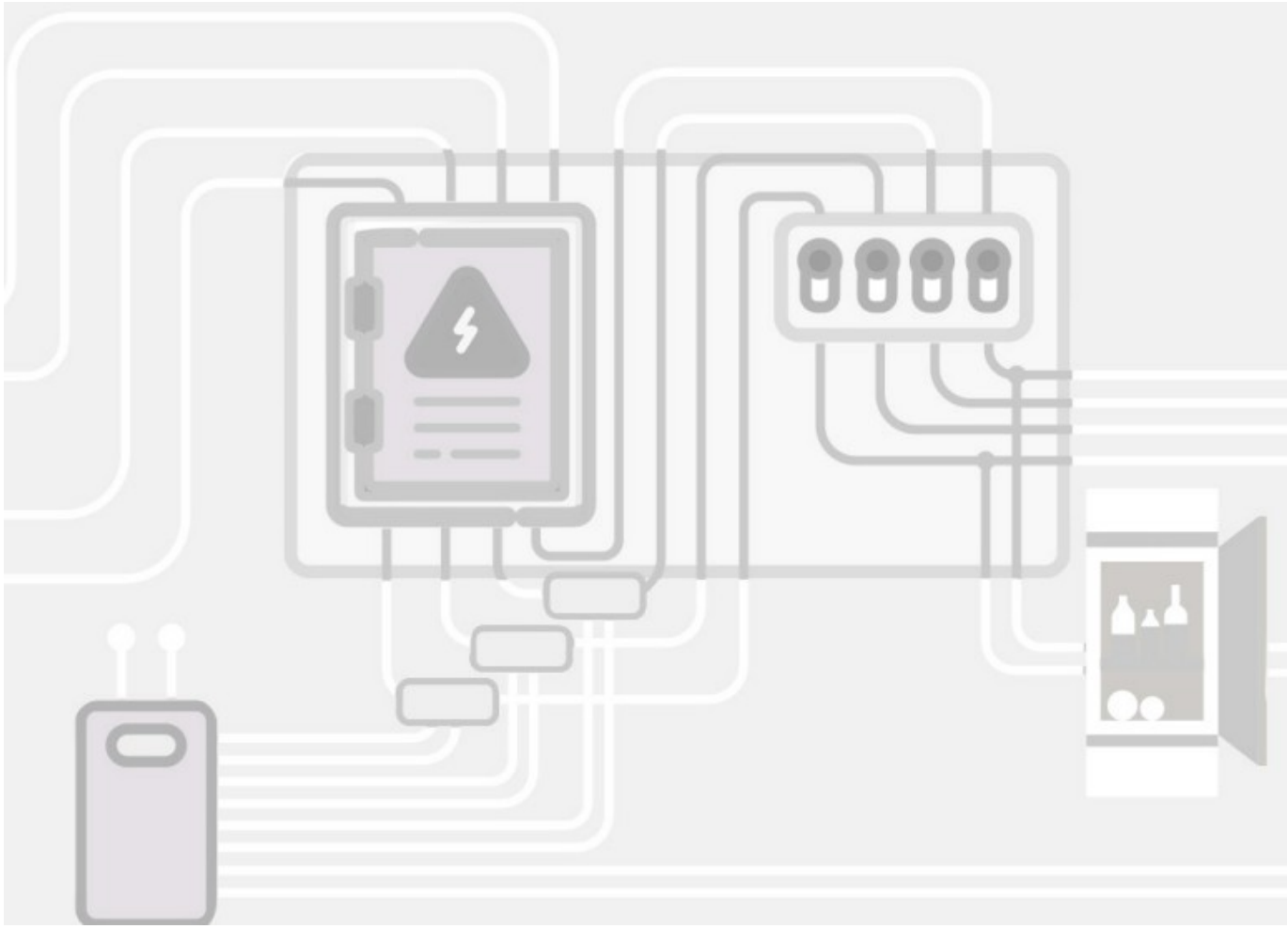
We provide an additional CT (current transformer) that is installed to monitor the main load current in real-time. This CT measures the overall power consumption of the household.

Load Balance Parameter Configuration

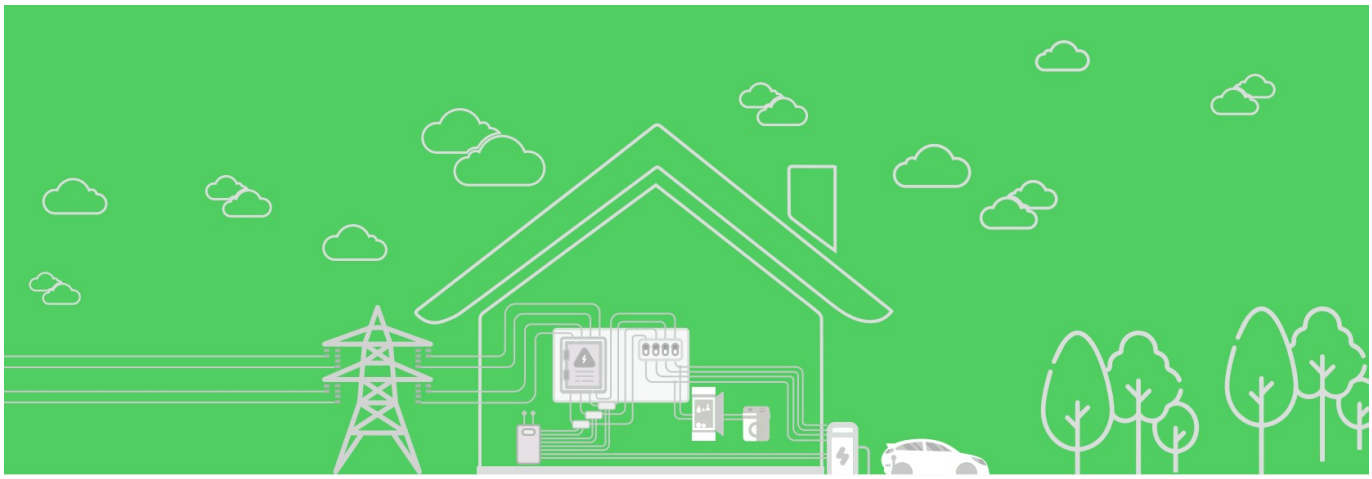
Our dedicated mobile app allows users to easily configure load balance parameters. With the app, customers can customize the desired load balance settings according to their specific needs.

Local Monitoring and Adjustment

The EV charger is equipped with the capability to monitor the household's main current locally. It constantly monitors the power consumption and adjusts its charging power accordingly to prevent overloading. This ensures that the EV charger adapts dynamically to the current load conditions of the household. With our load balancing solution, you can confidently charge your electric vehicle at home, even when the total load exceeds the fuse capacity, while maintaining a safe and reliable electrical system operation.



Features & Advantages



Flexible Connection Options

You can choose between RS485 connection for reliable wired communication or Bluetooth and Wi-Fi connection for wireless convenience. This allows for easy integration with existing infrastructure and provides flexibility in installation.

Low Installation Cos

Our solution simplifies the installation process by connecting the CT (current transformer) directly to the main power. This eliminates the need for complex rewiring additional equipment, resulting in cost savings and reduced installation time.

Real-time Monitoring

Our system samples the current from the CT every second, providing real-time monitoring of the power consumption. This ensures accurate and up-to-date information on the load status, allowing for efficient load balancing.

Fast Response

With our load balance control, adjustments are made in real time to ensure optimal power distribution. The system

continuously monitors the load and responds quickly to any changes, preventing overloading and maintaining a stable power supply.

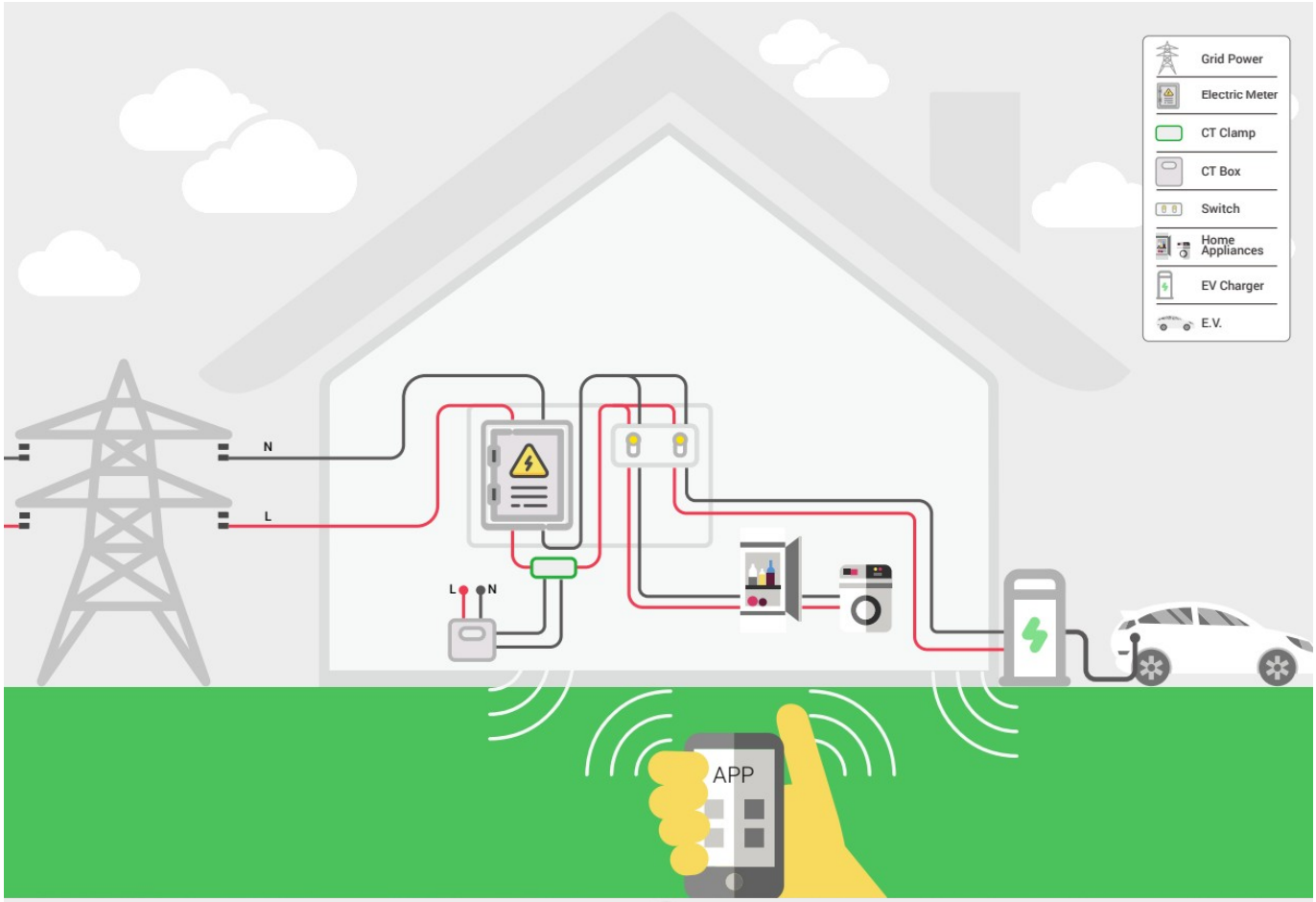
Cost Savings

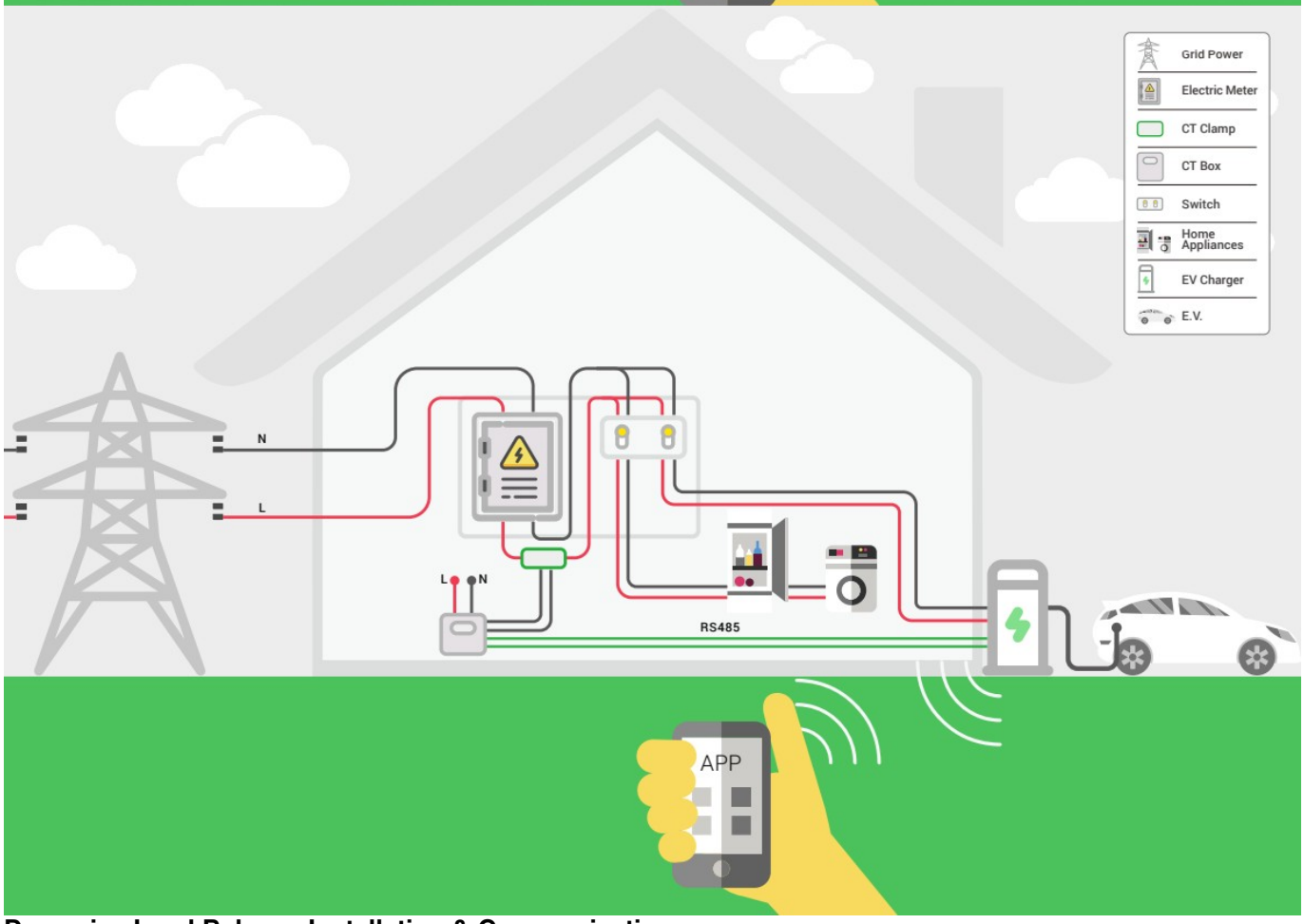
By implementing our load balancing solution, you can avoid the need for electricity capacity expansion. The system optimizes the power distribution, preventing overload situations and reducing the risk of costly electrical system upgrades.

Dynamics Load Balance for Single Phase

HYO70W2-T2 7KW

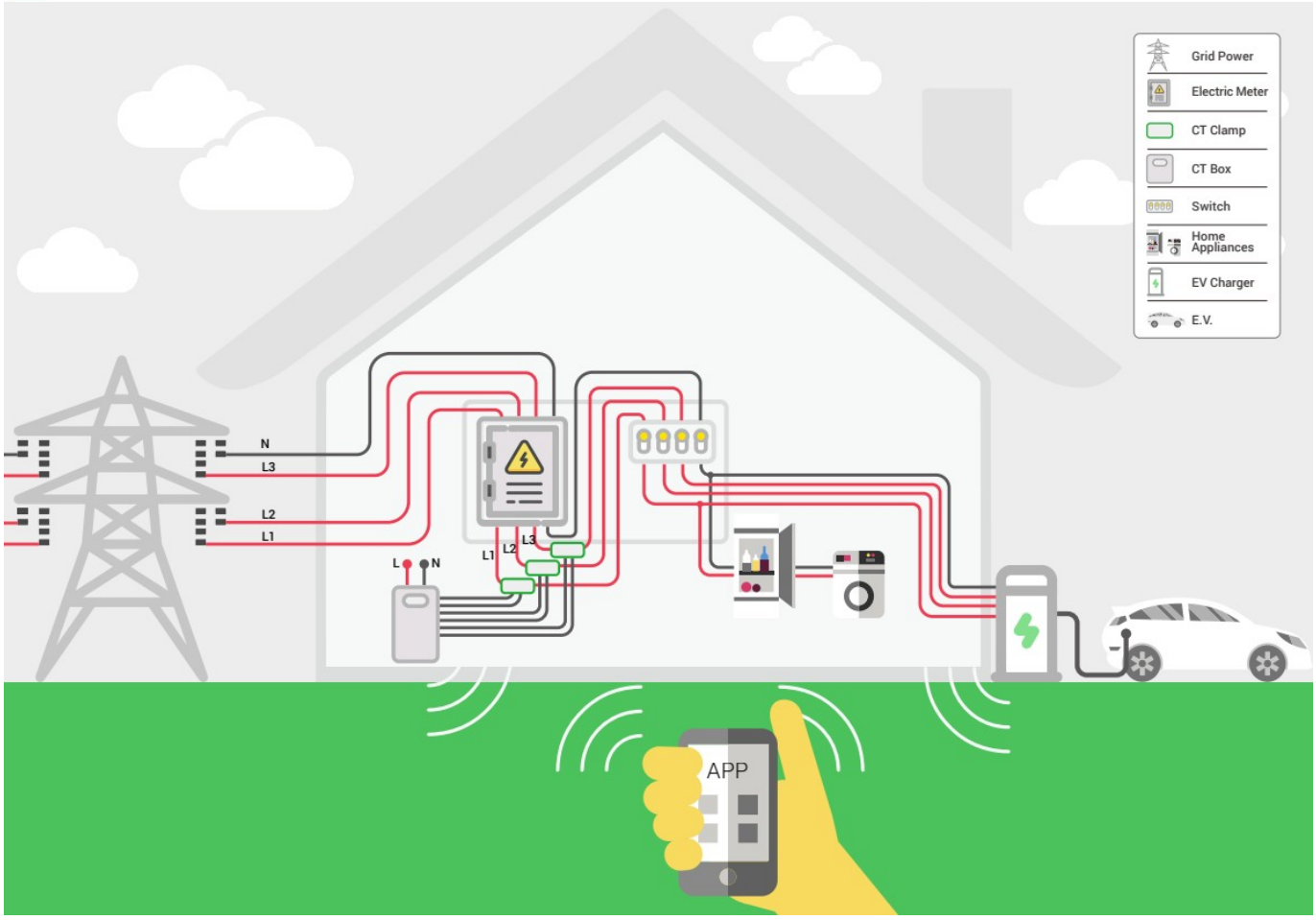
PICTURES			
PRODUCT	HY070W2-T2	CT-Clamp	APP
ATTR	Hardware	Hardware	Software
SPEC	Single Phase 32A EV Charger	Current monitoring	Load capacity setting and load balance activation

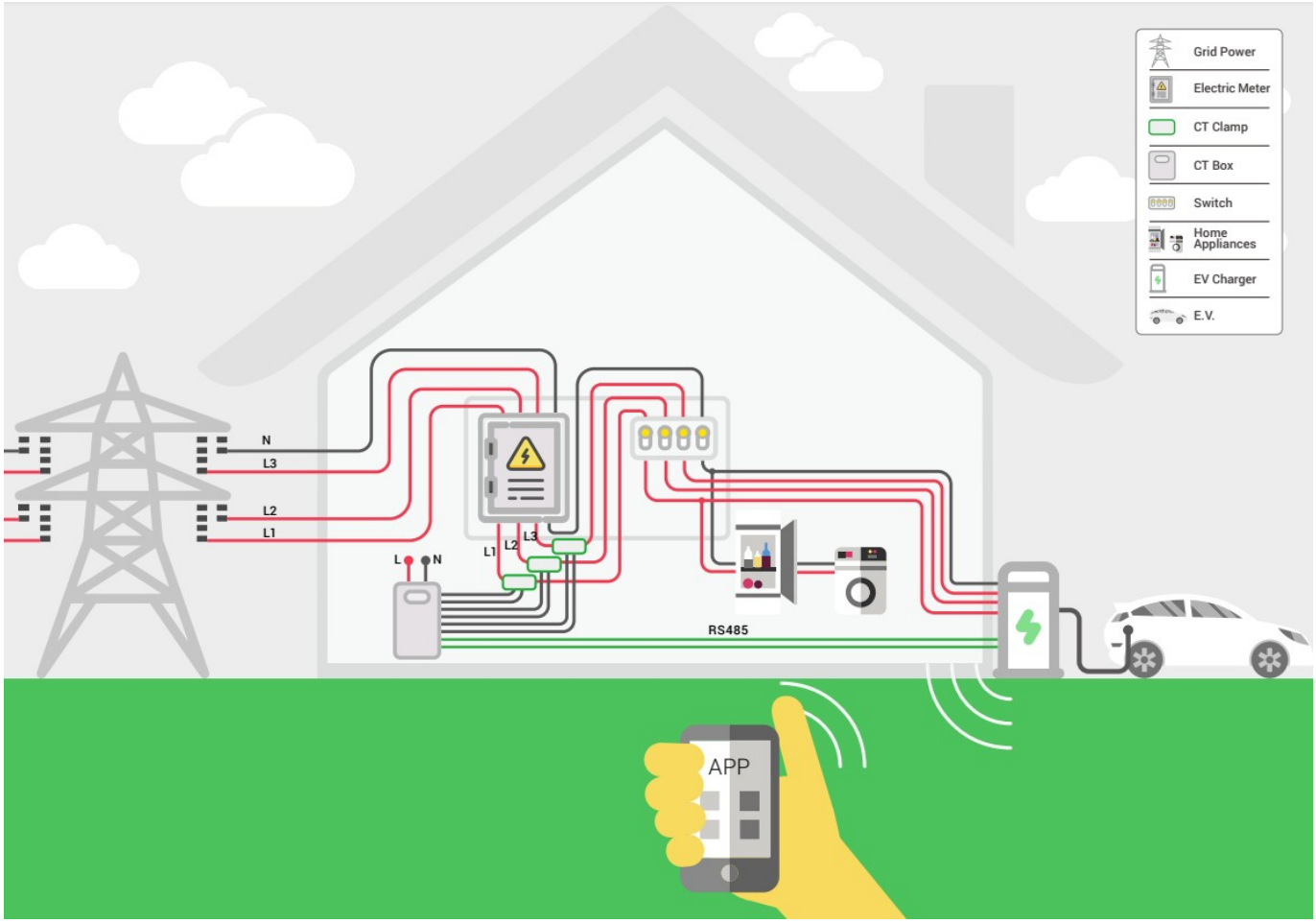




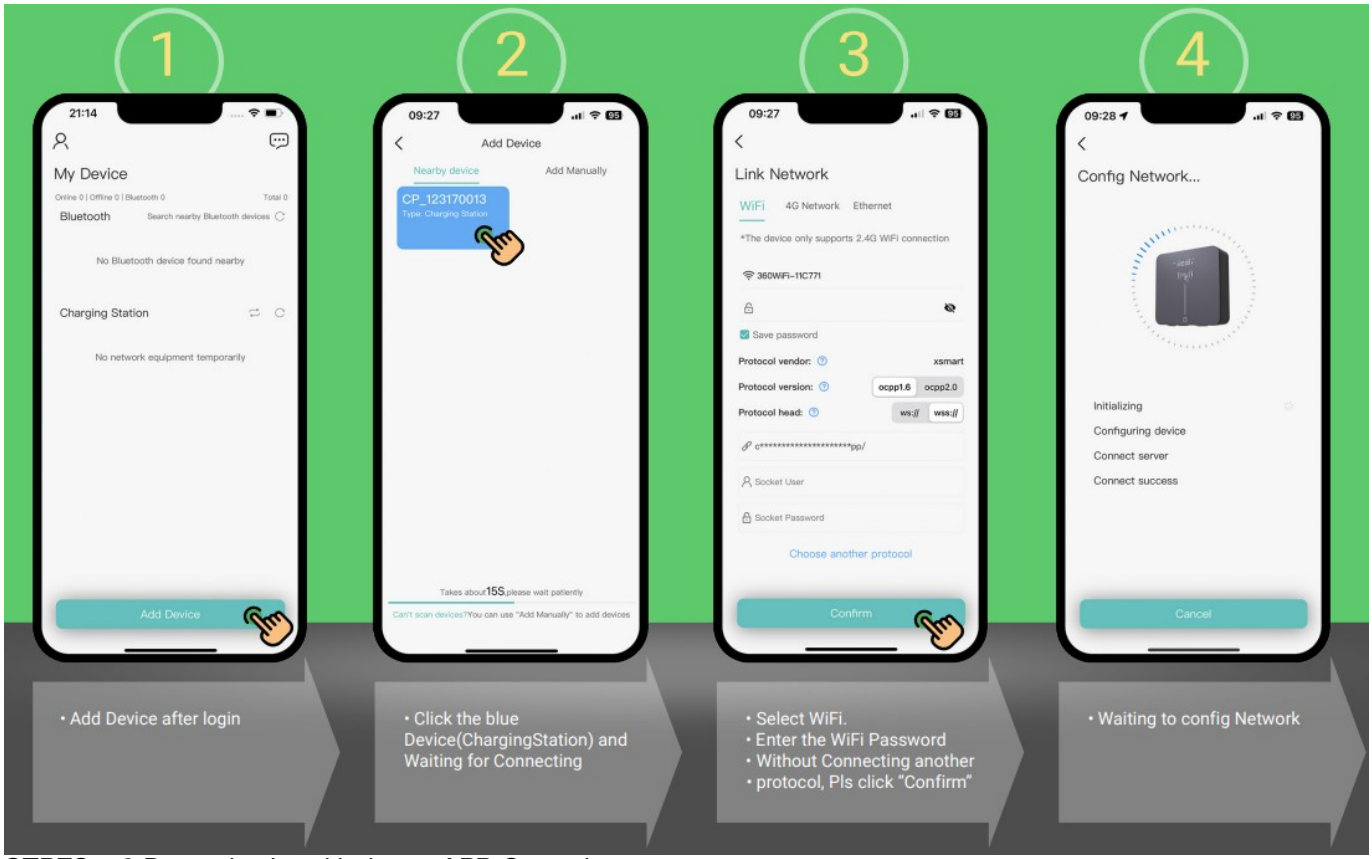
Dynamics Load Balance Installation & Communication (Option 2)

PICTURES			
PRODUCT	HY110W2-T2 / HY220W2-T2	CT-Clamp	APP
ATTR	Hardware	Hardware	Software
SPEC	Three Phase 16A EV Charger Three Phase 32A EV Charger	Current monitoring	Load capacity setting an load balance activation

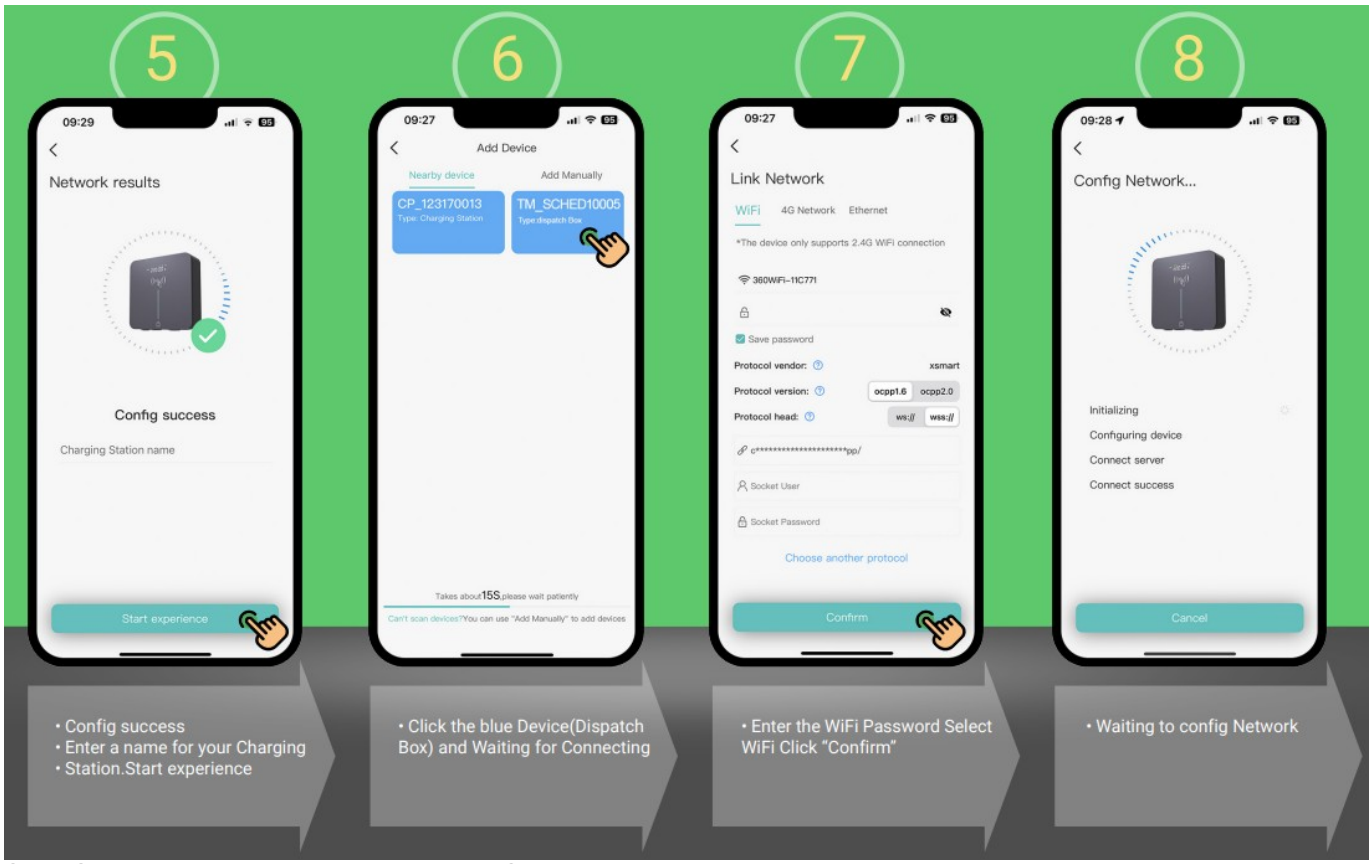




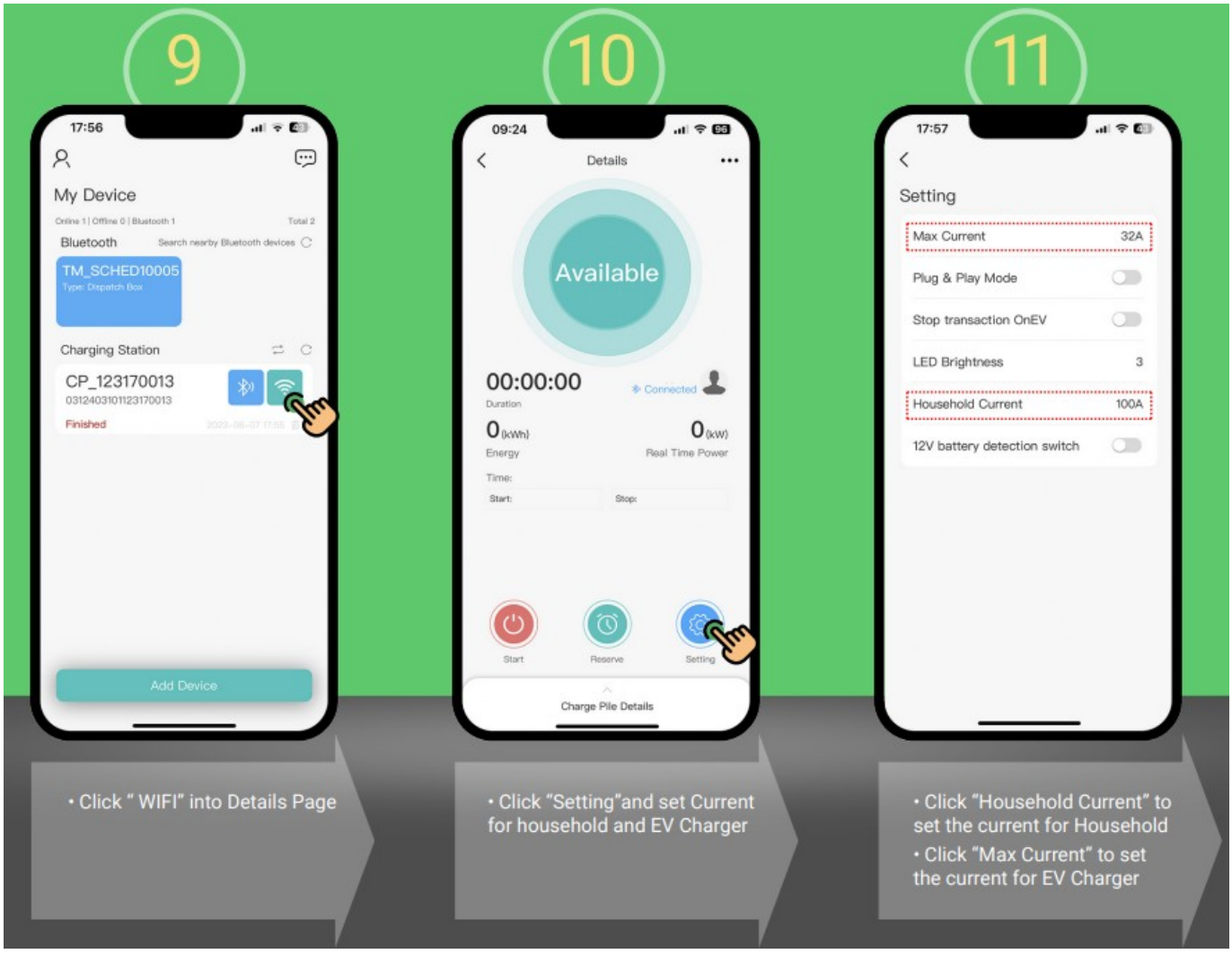
STPES – 1 Dynamics Load balance APP Operation



STPES – 2 Dynamics Load balance APP Operation



STPES – 3 Dynamics Load balance APP Operation



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Documents / Resources

	HYSUN CT-Clamp SolutionCT-Clamp Solution [pdf] Instruction Manual CT-Clamp SolutionCT-Clamp Solution, CT-Clamp, SolutionCT-Clamp Solution, Clamp Solution, Solution