

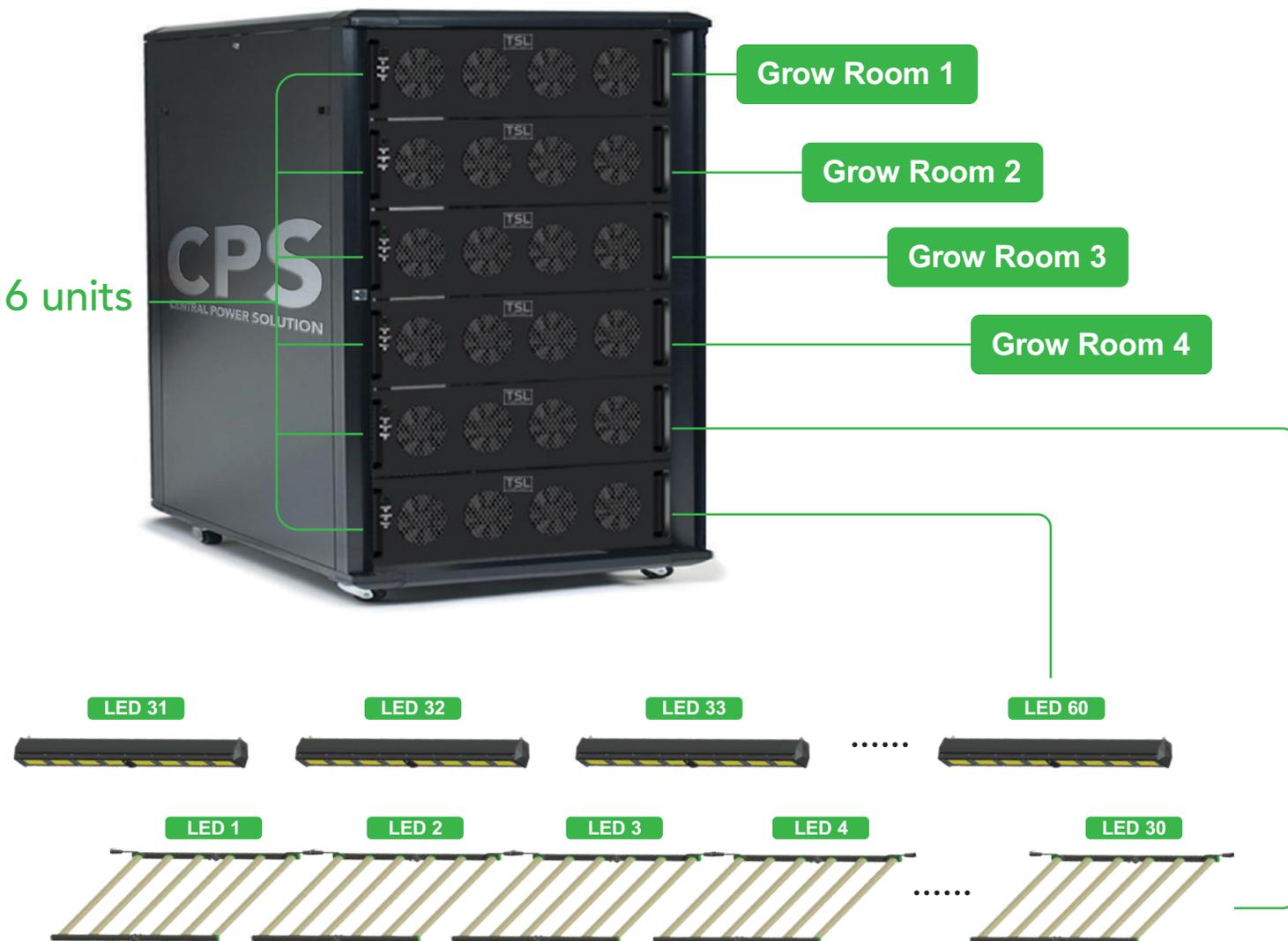
CENTRAL POWER SOLUTION - CPS

Vertical Indoor Green House

Compatible: 208V • 240V • 277V • 347V • 480V

For large scale and commercial cultivation TSL Horti Tech is proud to introduce the Central Power Solution-CPS. By using an externally located, centralized current source to precisely distribute power directly to all luminaires, cultivators can eliminate flaws of using individual drivers, by: reducing equipment failures, improving climate controls as well as minimizing labor and maintenance costs. Offering dynamic single conduction and IP rated solutions from moderate to large scale distributed external systems, CPS can scale power in your commercial cultivation saving you time, money and other valuable resources. The CPS system is the solution for serious commercial cultivators who want to see their investment grow as fast as their plants.

- Cost Effective
- Reliable
- Highly Efficient
- Scalable
- Flexible
- Easily Controlled



BENEFITS FOR CULTIVATORS

Economy of Scale: The more traditional drivers you replace with the CPS the more efficient the unit becomes. With the CPS the more fixtures and power used, the greater the savings compared to standard HID and LED luminaries. All in a compact easily stored and maintained package.

Lower Operational Costs: CPS systems are designed to be more energy efficient than traditional drivers, losing less energy to THD (total harmonic disturbance), providing consistent current flow and draw, and lowering energy consumption costs. Eliminating drivers near the LEDs equates to less heat (heat degrades LEDs and drivers) the diodes must mitigate, translating to longer lasting LED fixtures. Facilities that switch to CPS systems may be eligible for rebates or other financial incentives from energy companies due to reduced electrical consumption.

Customizable Wireless Controllable: Customize your CPS system menu options and controls to suit your cultivation's specific needs. Wireless controls allow you to monitor and adjust settings from afar via your laptop or mobile devices. Governable system options allow you to specifically control and manipulate your facility's lighting needs with ease.

Less Material Costs: This system utilizes affordable 14-gauge wire compared to standard power systems that uses heavy and expensive 1/0-gauge wire. Fewer junction boxes are required and no output circuit breakers are needed. CPS utilities eliminate the need for external controllers, hardware, and wiring. Fewer materials needed means less installation, maintenance and labor costs.

Modular Driver System: The CPS uses a simple plug and play system that allows for easy expansion or contraction. The CPS with all drivers in one remote location makes adding or replacing fixtures quick and easy. Simply add or replace LED fixtures and drivers as needed. With most traditional fixtures, if the driver goes bad the whole fixture must be replaced.

HVAC Concessions: By eliminating drivers from the grow space the fixtures will emit less heat into your cultivation area. Meaning more energy savings and less workload for your HVAC and environmental controls, which leads to longer equipment life, and a reliable and consistent grow environment.

Consistency & Reliability: Eliminating individual lower quality drivers mean minimal driver/fixture failure. Environmental consistency is achieved by removing the drivers from the cultivation room, reducing canopy heat and hot spots. The power supply is consistent with very low THD (total harmonic distortion) increasing efficiency. Drivers utilized in CPS are UL listed, medical grade power management systems with some of the best reliability in the industry. Reliability you can trust with your horticulture investment.