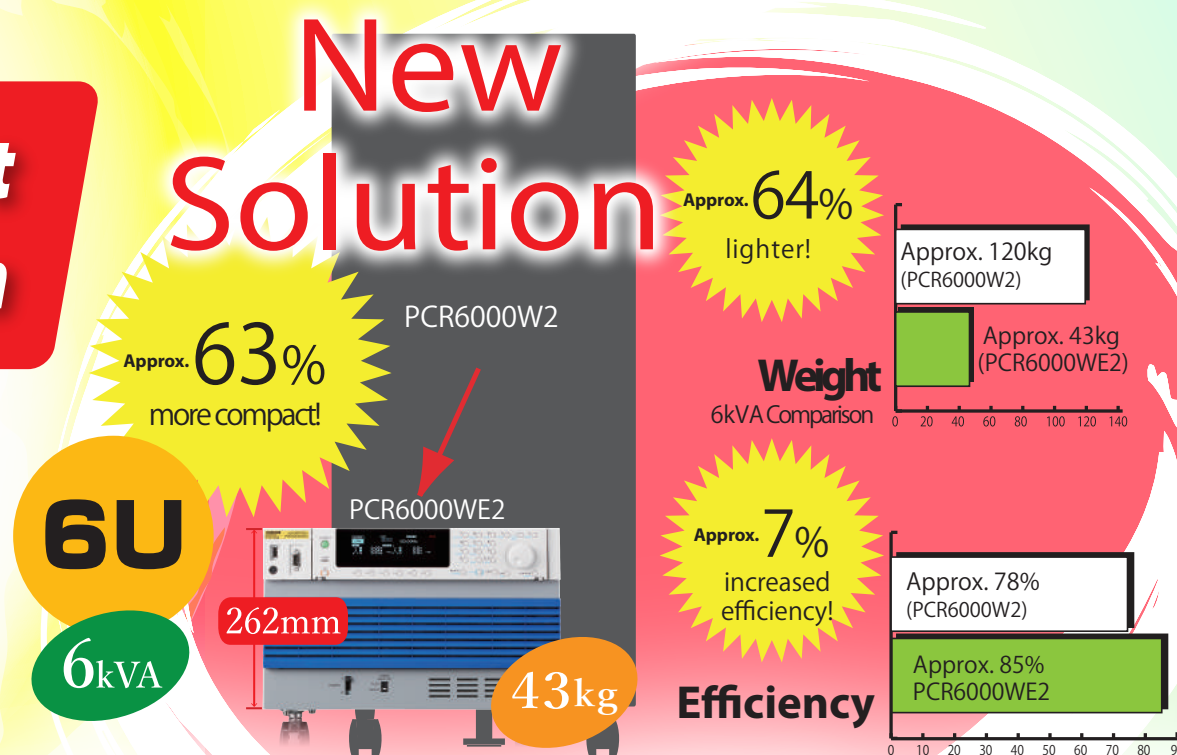


# 5 Design Choices Making the PCR-WE Possible

## 1 New Design Concept for Global Expansion

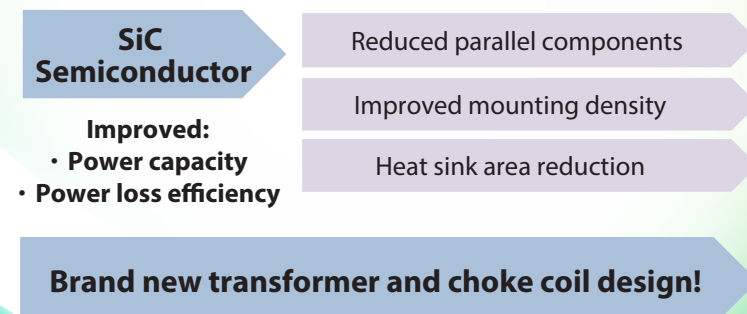
Kikusui Electronics has provided the highest standard of PWM inverter type power supplies for over 20 years. Overseas competition has pushed us even further, with demand for products of the smallest size, highest quality and most competitive pricing at an all time high. Thus, the PCR-WE/WE2 series was born; combining next-level performance with ultra-compact design. The brand new PCR-WE/WE2 AC/DC power supply was designed to solve the complex problems of the ever evolving modern world.



High power, High mobility.

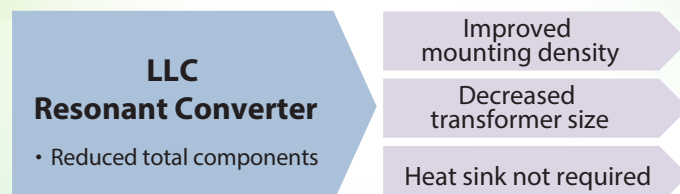
## 2 Component Upgrades

### State-of-the-art power devices!

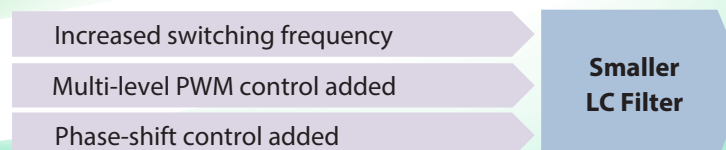


## 3 Redesigned Circuits

### DCDC converter redesigned from the ground up!



### Output inverter redesigned from the ground up!



## 5 High Density Structural Design

### Compact, high density design structure!

<b>Wireless</b>	Improved connection between boards
<b>Insulation &amp; Shield</b>	Minimized clearance with insulation sheets Anti-noise shield for increased proximity
<b>Large (L) Circuit Boards</b>	Integrated power system boards reducing connector and wire kit requirements

## 4 Refined Cooling System

### Increased cooling efficiency!

<b>Heat sink</b>	Custom built design
Long heat sink ensures airflow with optical cooling even when separated from fan	
<b>Fan</b>	Custom components
Air volume and static pressure improved	
<b>Duct design</b>	Custom rectification duct
Air flow on heat sink utilized for maximum efficiency	