

# Rack, System Power & Charger Introduction

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# Outline

1. Introduction to Rack & System Power/Charger
2. Smart controller overview
3. Model list VS Smart controller
4. Catalog of system built by Rack Power & Charger
5. Product Category & Roadmap
6. Product Advantages
7. Product Applications



# Rack, System Power & Charger Introduction

## Flexible

- Flexibly expand output power up to **128kW**
- Support hot-plug (hot swap)

## Intelligent

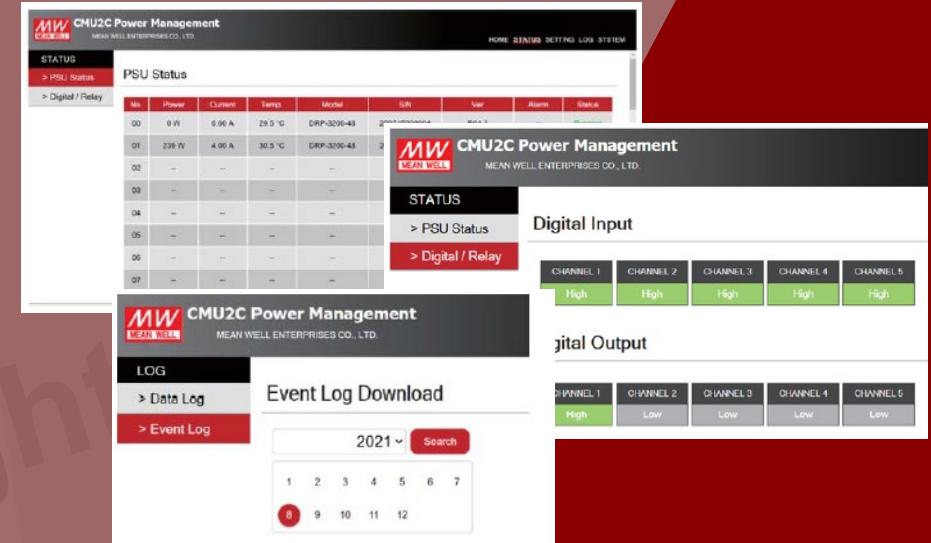
- Smart controller **CMU1 & CMU2** available
- Digitalized design, precise control on parameters
- **Software & firmware ready** for different applications

## Programmable



- **Programmable** output voltage and current
- Different **communication protocols ready**

## Smart UI

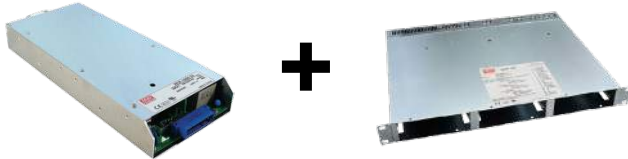


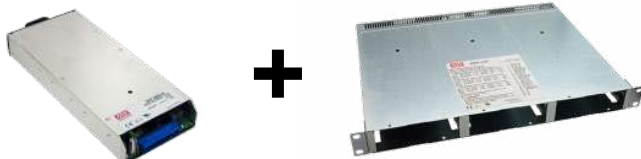
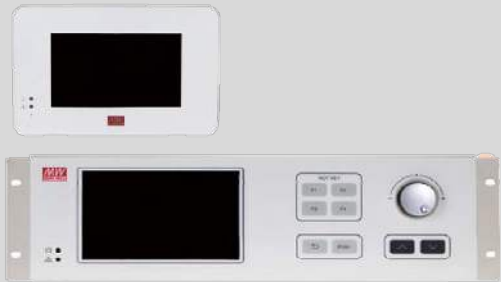
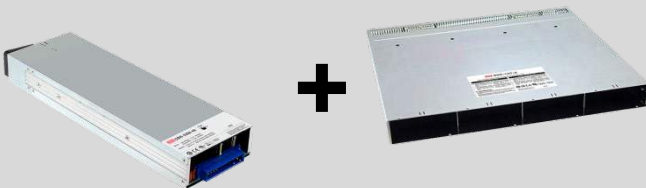
- **Web UI** ready for monitor and control locally or remotely



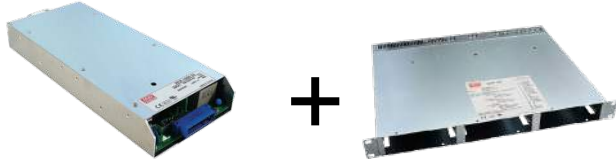


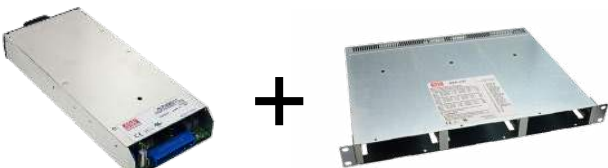
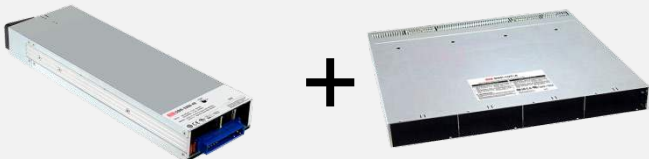
# Smart Controller Overview

Smart Controller	Controller's Photo	Key Features
CMU 1		<ul style="list-style-type: none"> <li>● 1U 19-inch rackmount and standalone Front panel</li> <li>● LDC and web UI ready</li> <li>● UES, RS-232 or ethernet interface for PC connection</li> <li>● Alarm/event log with time and data</li> <li>● Windows-based PC software</li> <li>● 4 programmable relay outputs</li> <li>● 5years warranty</li> </ul>
CMU 2		<ul style="list-style-type: none"> <li>● 3U 19-inch rackmount and standalone</li> <li>● 7" TFT LCD touch panel and buttons and web UI ready</li> <li>● Ethernet port for on-site and remote operation</li> <li>● Selectable PMbus, CANbus, RS485, and RS-232 communication interface</li> <li>● Power management/ Burn-in/EV charging/Horticulture firmware ready.</li> <li>● Data/event log with time and date</li> <li>● 4 programmable relay outputs</li> <li>● 5 years warranty</li> </ul>

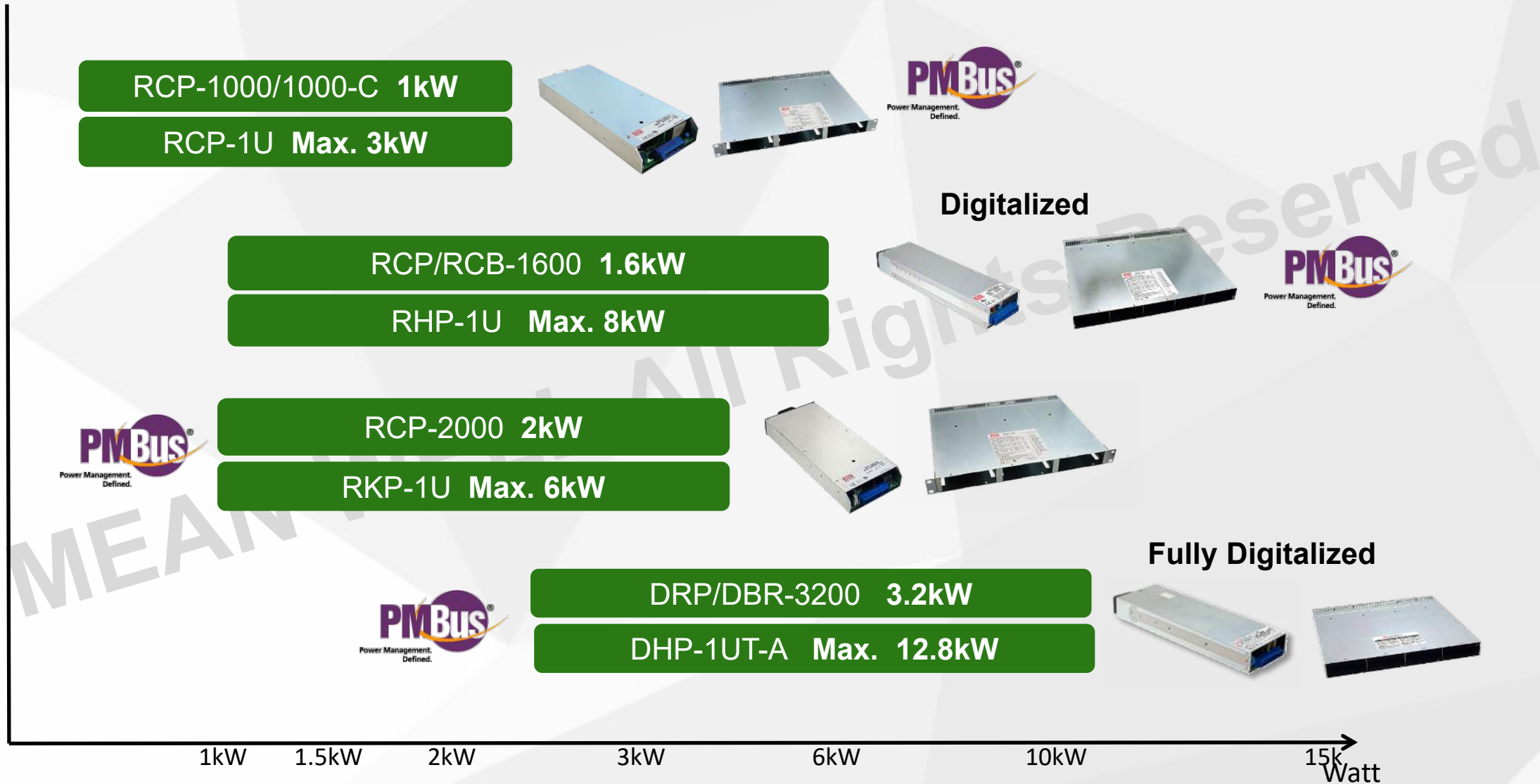
# Model List vs. Smart Controller

Rack Photo	Type	Model No.	Max. Output Power	Smart Control Unit	System Photo
	PSU	RCP-3K1U	8kW	CMU1	
	PSU	RHP-8K1U	24kW		
	Charger				
	PSU	RKP-6K1U	18kW	CMU2	
	PSU	DHP-12K1U	128kW		
	Charger				

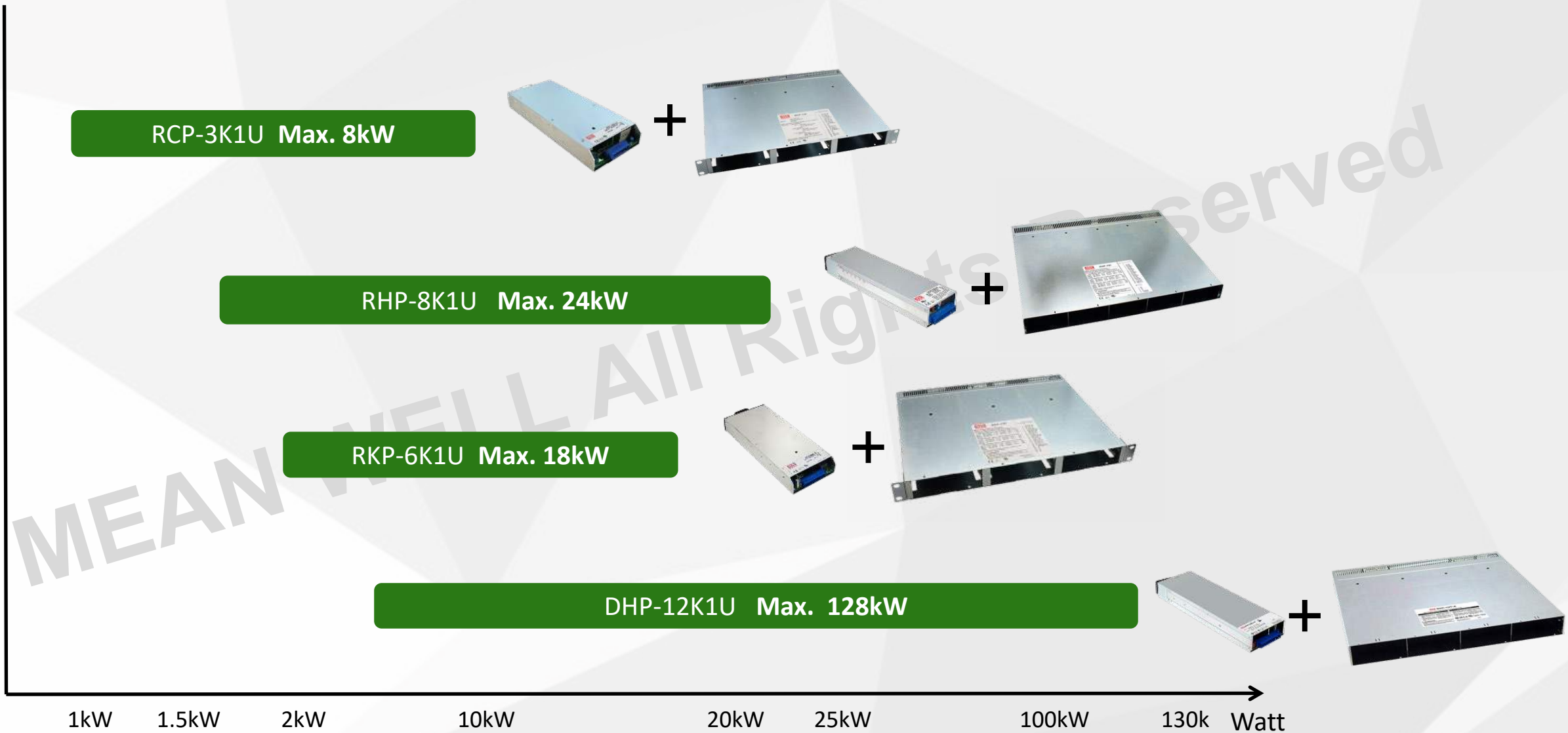
# Catalog of System Built by Rack Power & Charger

Rack Photo	Type	Output Voltage	Model No. (PSU included)	Max. Output Power	System Photo
	PSU	12/24/48V	RCP-3K1U	8kW	
	PSU	12/24/48V	RHP-8K1U	24kW	
	Charger	14.4/28.8/ 57.6V			
	PSU	12/24/48V	RKP-6K1U	18kW	
	PSU	24/48V	DHP-12K1U	128kW	
	Charger	28.8/57.6V			

# Rack Mount Roadmap



# System Power Roadmap



# Advantages – Rack & System Power/Charger

## Complete Product Line

- Power Module:  
3200W  
Power Shelf:  
3k-12.8kW  
  
Max. Power **128kW!**
- Offer service to  
customize product

## Complete Safety Approvals

- 62368-1 ITE Safety
- CB report
- Complete factory  
Quality Management  
Systems:  
ISO9001 ISO14001  
ISO45001 KS/PSE  
certified factory

## Distribution Channel & Service

- Global Sales Channel
- Global After-sales  
Service
- Online inventory  
check service
- Fast delivery with  
small quantity PO
- 30 days Delivery

## Brand Awareness

- International Brand
- Transparent product  
Info
- Complete marketing  
events/teams
- Your reliable power  
partner

# Applications – Rack & System Power/Charger



## UV Curing Printer

- Heavy industrial machinery
- Heavy power consuming
- Need high wattage and centralized power system



## Water Treatment

- Distributed or Centralized power configuration
- Programmable current control



## Particle Accelerator

- Heavy power consuming
- High reliable and precise control



## Burn-In Equipment

- Extremely heavy power consuming
- Needs centralized power system

# WHY MEAN WELL



P

## Products



More than 10,000 models, continues to introduce 10% new models and EOL 5% every year

Q

## Quality



High reliability and quality indicator  
Post-sales failure rate decreases by 10% each year

C

## Cost



High cost-performance products, stable material price, complete supply chain integration

D

## Delivery



24-hour delivery for small amount order.  
14-day delivery for frequent purchase standard products.

S

## Service



MEAN WELL Group and distributors provide services 24 hours a day, and commit to reply within 24 hours

R

## Reliable Relationship



75% of revenue come from long-term distributors and customers