



Since ultra-high-power output and power management 2-in-1 integral solution is what high-end markets are looking for at present, MEAN WELL creates complete, flexible and resilient system power solutions for various industries. It can supply 128kW+ ultra-high power, and features 94.5% high efficiency and high reliability to tackle toughest power needs and satisfy diverse power needs required by each unique industrial applications.



System power solutions created by MEAN WELL can be applied to application scenarios that consume ultra-high power, such as EV charging, industrial automation, stage lighting, electronic product burn-in systems, UV curing equipment, Telcom/datacom equipment and more. In addition, to facilitate industrial automation, CMU2C-R is integrated in the solution to support communication individually in PMbus, CANBus, or Modbus protocol with the capability of remotely monitoring and controlling critical electric parameters of the system power thru wired and wireless networking.



Advantages

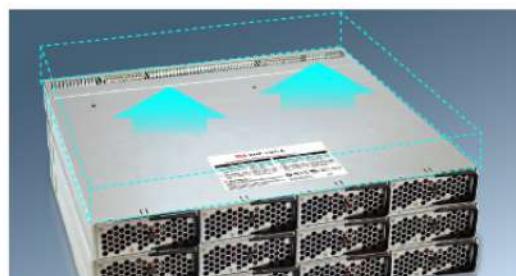


Integrated Solution

- Simplified power management by digital communication
- CMU2R-C to monitor and adjust key PSU parameters

Output Power Easily Expandable

12.8k - 128kW power range, configurable output power according to power needs by industries and applications



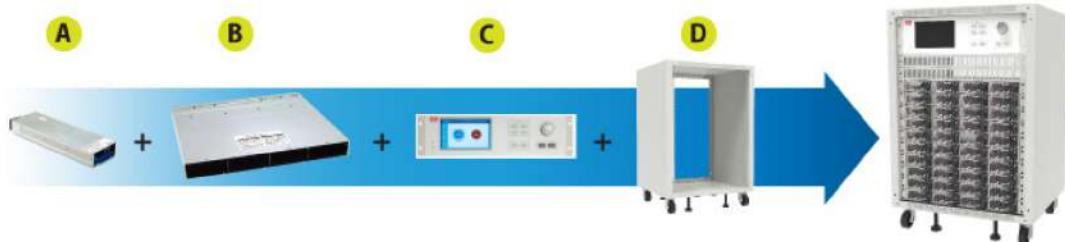


Easy Installation and Maintenance

PSU supports hot plug function: install and replace PSU quickly.



Combinations of Solutions



A. Power Module



A.

Category	Model No.	Introduction (.html)	Specification (.pdf)	Rated Power	Output Voltage
Power	DRP-3200			3.2kW	24V / 48V
Charger	DBR-3200			3.2kW	28.8V / 57.6V

Features

- Fully digitized design, precise control over parameters.
- Output programmable (PV/PC)
- Hot-pluggable, fastest maintenance
- Support PMBus/CANbus(option) comm. protocols
- PSUs in parallel to multiply total output power
- Charger allows user to set charging parameters

B. Power Shelf



Model No.	Specification (.pdf)	Features
DHP-1UT-A		<ul style="list-style-type: none">• Flexibly multiply output power if connect power shelves in parallel• Output power can multiply 10x, maximum 128kW
Rated Power	Output Voltage	
12.8kW	24V / 48V	

C. Power Management Controller



Model No.	Features
CMU2R-C	<ul style="list-style-type: none">• Turn on/off PSUs by Remote ON/OFF function• Remote monitor/control on PSU parameters• Web-based management user interface is available• Support PMBus comm. protocol, CANbus & RS-485 optional

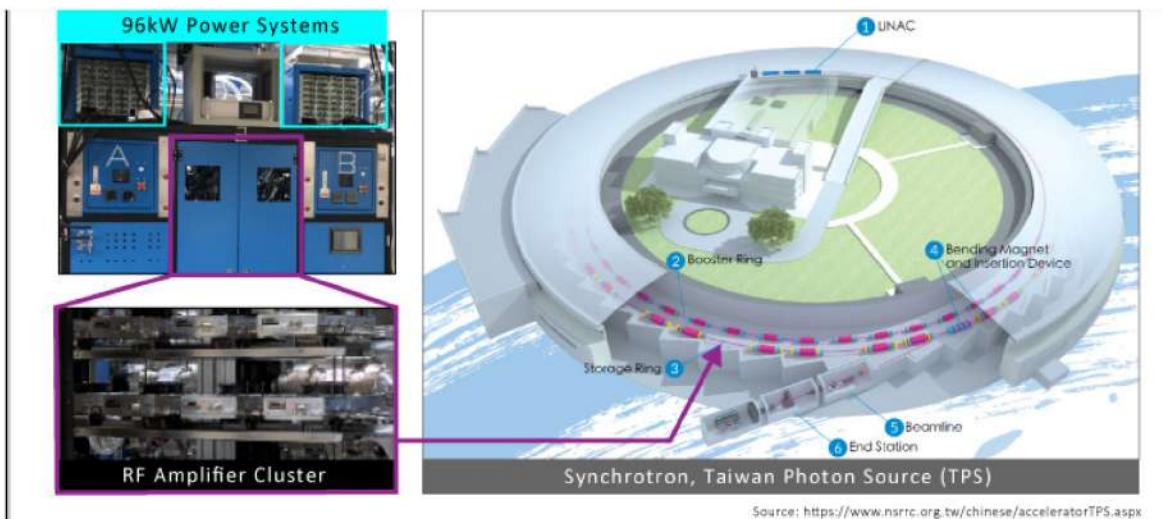
D. 19 inch Cabinet



Features
<ul style="list-style-type: none">• Standard EIA-310 19" Cabinet• Mount PSUs and power shelves to create 128kW ultra-high-power system• Integrate with CMU2R-C to form a complete system power solution.



Case Sharing



Source: <https://www.nsrrc.org.tw/chinese/acceleratorTPS.aspx>

It takes enormous energy to operate the synchrotron (particle accelerator), so one well-known research institute in Taiwan chose MEAN WELL system power solution. First, supply power to RF amplifier cluster to generate high frequency power, then input high frequency power into the Storage Ring to keep the electron travelling at nearly light speed. When all the power systems are operating at the same time, total output power reaches 800kW.



HEADQUARTERS

Taiwan, Taipei

Tel: +886-2-2299-6100

available 8:30 AM to 5:00 PM

(GMT+8)

info@meanwell.com

MEAN WELL USA

The United States, CA

Tel: +1-510-683-8886

available 8:00 AM to 5:00 PM

(UTC-8)

info@meanwellusa.com

MEAN WELL EUROPE

The Netherlands, Amsterdam

Tel: +31-20-758-6000

available 9:00 AM to 5:30 PM

(UTC/GMT+1)

info@meanwell.eu