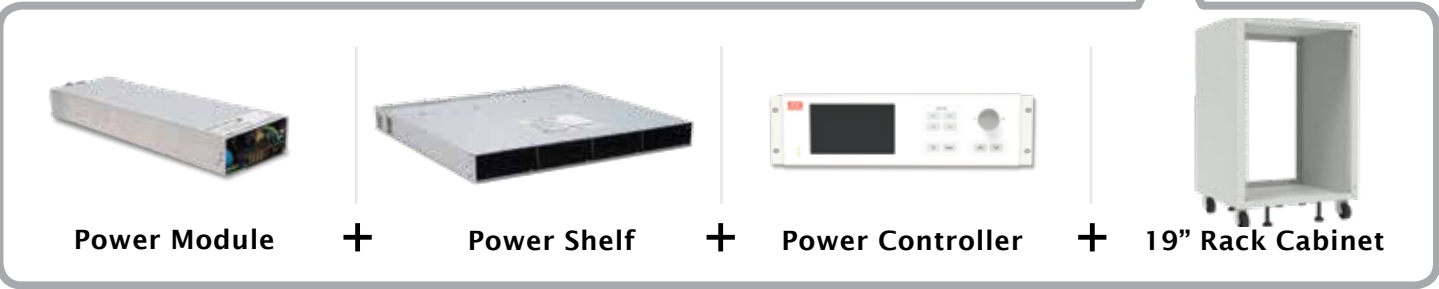



Concept

Possess the benefits to provide flexible solutions, time to market, fast delivery, high cost performance ratio and high reliability, MEAN WELL System Power Solution is now ready to power up your business in multiple industries and diversified applications!



Easy Power Management with Human Machine Interface


MEAN WELL presents the 「CMU2 Digital Master Controller」 to help users manage their power systems with ease. CMU2 supports the CANbus, PMBus, and RS-485/232 communication protocols and it can connect to slave devices such as power supplies, sensors, lighting fixtures and more via wired or wireless network.



▲ CMU2C-R

Features of CMU2

- 7" LCD touch panel in both rackmount and standalone versions
- Easy-to-use dial and push buttons (rackmount edition only)
- 3 expansion cards for wired/wireless connection with slave devices
- Control/monitor up to 64 devices and more with expansion cards
- RS-232, RJ45 and USB serial ports for easy wiring
- MicroSD card to save event logs
- Management tool can be accessed via PC/web/handheld-based devices
- 5 years warranty



Web-based GUI

System Power Solution for Multiple Industries



Combination Demonstration



Cabinet	Model No.	RA-15U-750	RA-22U-750	RA-30U-750
	Height (U)	15	22	30
	Dimensions (LxWxH)	750x 600x 912 mm	750x 600x 1224 mm	750x 600x 1579 mm
Power Controller	Recommend Model	① CMU2C-R / CM2A-R		
Power Shelf		② DHP-1UT-B (NCP-3200 series only)		
Power Module	Recommend 1U Model	③ NCP-3200 series		
	Recommend 2U Model	④ SHP-30K series (under development)		
Bidirectional Power Supply	Recommend 1U Model	⑤ BIC-2200 series		
Grid Type Inverter	Recommend 2U Model	⑥ ERG-5000 series		
Max. Number of Installations (Unit) (with Controller)	1U Model	40	72	100
	2U Model	5	9	12
Max. Output Power (KW) (Product Rated Power x Maximum Number of Installations)	1U Model	128	230	320
	2U Model	150	270	360
Application	Energy control system, Battery power recycling system, Burn-in power recycling system, industrial power system and others.			

Note: We value the information accuracy, if there's any discrepancy between the data presented in our brochure and the specification, the specification shall prevail. (Please refer to www.meanwell.com for the latest spec.).

Advantages

Smart Rack Power Solution in Digitalized Design

Remote ON/OFF

This signal allows user to turn on/off power modules all at once or one by one.

Output Programmable Function

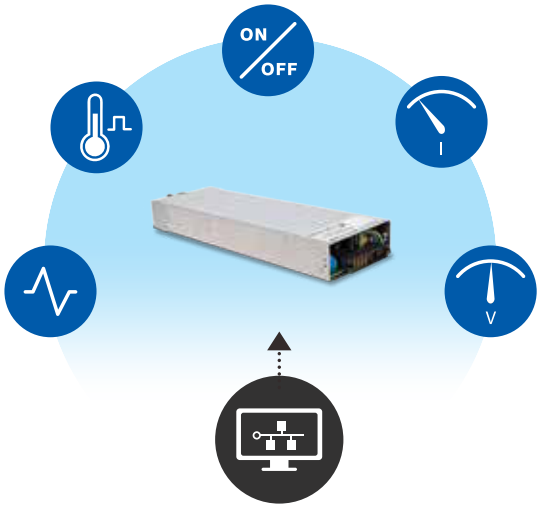
By using external DC signal, output voltage (PV) and constant current limit (PC) can be tuned up or down according to end user's need.

T-alarm

PSU sends out TTL signal to warn probable over-heating event.

Intelligent Control

Featuring multiple I/O signals, programmable outputs and communication to enable easy and smart monitor and control from power supply to the entire power system.



Power Supply in Modular Design

Rack power/charger use connector as interface to fit power modules into power shelf which realizes the key function of “hot swap” and enables power system with flexibility to promptly enlarge output power for future needs.



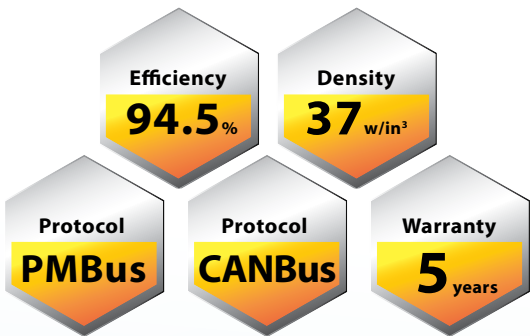
Upgradable and Redundant Power Solution in Building Block Design

Configure power shelves in parallel connection, the total output power can be multiplied and upgradable. Or configure solutions with back-up power in N+1 redundancy. Using off-the-shelf 3200w digitalized power module as the base, MEAN WELL successfully creates a wide range of solutions from 3200w up to 128KW.



The Core of Digital System Power Solution

Rack Power NCP-3200 Series + Digital Controller CMU2 Series



Rack Controller
CMU2C-R
L147.5x W127x H41(1U) mm



Power Shelf
DHP-1UT-B (HV)
L400x W440x H44mm



Rack Power/Charger
NCP-3200
L325.8x W107x H41(1U) mm



Easy Hand Grip



Hot Swap



Ventilation Fans
Forced Air Cooling

Features

Power Supply Mode

- Programmable Outputs, PV & PC functions
- Built-in OR-ing FETs to support hot swap
- Active current sharing
- Built-in DC fans forced air cooling
- Protections: Short circuit, over voltage & over temp.
- Optional conformal coating

Battery Charger Mode

- Charge lead-acid (Gel, Flooded & AGM) and Li-Ion batteries
- Built-in 3 three-stage charging curves and 1 programmable curve
- Protections: Battery under voltage, Battery no connection



Model No.	Vin	Output	Efficiency
NCP-3200-24	90~264VAC	24V, 0~133A	93.5%
NCP-3200-48	90~264VAC	48V, 0~67A	94.5%
NCP-3200-380	90~264VAC	380V, 0~9.6A	94%

Model No.	Vin	Output	Efficiency
NCP-3200-24	90~264VAC	28.8V, 0~110A	93.5%
NCP-3200-48	90~264VAC	57.6V, 0~55A	94.5%



Your Reliable Power Partner



System Power Solution

Integrating Digital Rack Power, Charger and Controller for Industrial Applications

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