

**MAIN FEATURES**

- § Universal input voltage range (85 – 264 V<sub>AC</sub>)
- § Input surge current limiting (<20 A)
- § High power density (26 W/in<sup>3</sup>)
- § Steady 600 W output power available in a 3 x 5 x 1.6" package
- § Fan speed control function optimised for quieter operation
- § Four (4) slots configurable for up to eight (8) outputs
- § Output modules series and parallel operation
- § Accurate wired current share among paralleled modules
- § Remote output voltage programming / control
- § Remote output current programming / control
- § Output current monitoring signal
- § +/- sense terminal for each slot
- § Remote single slot or simultaneous inhibit signals
- § Power chassis 200mA, output module 10mA, 5V bias supply
- § AC good signal, Power good signal for each slot
- § Over temperature, OV, OC and SC protections
- § IEC, ANSI-AAMI, CAN-CSA C22.2 60601-1 certified
- § Compliant with IEC 60601-1-2 4th Ed. and Class B EMC standards



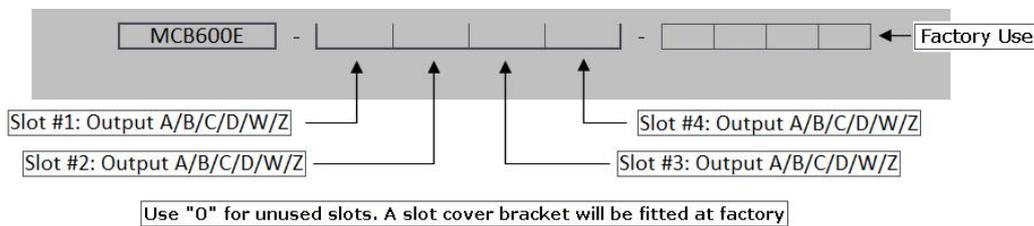
**DESCRIPTION**

- ☑ Compact Form Factor with 600 W Output → Delivers significant power in a minimal footprint, enabling high-performance designs with reduced space requirements
- ☑ Intelligent Fan Speed Control → Optimizes airflow and minimizes acoustic noise, extending fan lifespan and improving user comfort in noise-sensitive environments
- ☑ Configurable Slot Architecture (4 slots / up to 8 outputs) → Offers design flexibility by supporting multiple isolated and independent outputs with custom voltage/current combinations
- ☑ Series/Parallel Module Operation + Accurate Current Sharing → Supports scalable power solutions and ensures uniform load distribution for higher output power or redundancy
- ☑ Remote Voltage and Current Programming → Enables dynamic system control, ideal for applications requiring precision power management or test automation
- ☑ Output Current Monitoring + Power Good / AC Good Signals → Enhances system diagnostics and monitoring for improved reliability and integration with host systems
- ☑ Individual Slot Inhibit & Simultaneous Shutdown → Allows selective or complete output disabling for safety, or sequencing
- ☑ +5 V Bias Supply (Chassis: 200 mA / Slot: 10 mA) → Provides auxiliary power for control circuits simplifying system design
- ☑ Low earth leakage current and IEC 60601-1 Ed.3-2 medical certification → Safe for use in medical equipment
- ☑ Compliant with IEC 60601-1-2 4th Ed. and Class B EMI standards → Ensures EMC performance for medical environments

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**MODEL CODING AND OUTPUT RATINGS**



The factory might issue a 4 digit-code for a specific configuration which can be used for next and future orders of the same configuration. When ordering an input with no output inserted, simply order "RCB600E-XXXX" (Power chassis).

Output Module	Nominal Voltage	Voltage Adjustment	Output Rated Power	Rated Current	Max Current at Nom Voltage	Load Regulation	Over Voltage trip level
A	5 V <sub>DC</sub>	1.5 to 7.5 V <sub>DC</sub>	125 W	25.0 A	25 A	±50 mV	9.5 V
B	12 V <sub>DC</sub>	4.5 to 15 V <sub>DC</sub>	150 W	15.00 A	13.500 A	±100 mV	18 V
C	24 V <sub>DC</sub>	9 to 30 V <sub>DC</sub>	150 W	7.50 A	6.250 A	±150 mV	36 V
D	48 V <sub>DC</sub>	18 to 58 V <sub>DC</sub>	150 W	3.75 A	3.125 A	±300 mV	66 V
W	2x 12 V <sub>DC</sub>	3.3 to 15 V <sub>DC</sub>	2x 75 W	5.0 A	5.0 A	±50 mV	20 V
Z	2x 24 V <sub>DC</sub>	15 to 38 V <sub>DC</sub>	2x 75 W	3.125 A	3.125 A	±150 mV	44 V
0 (Zero)	Metal blanking plate for unused slots						