



# CHASSIS MOUNT DC-DC CONVERTERS HALF BRICK PACKAGE WITH HEATSINK 33 TO 100 WATT 4:1 INPUT RANGE



## FEATURES

- 33-100W Isolated Output
- 4:1 Wide Input Range
- Chassis Mount/Din Rail Mount
- Input Over Voltage Protection
- Regulated Outputs
- Continuous Short Circuit Protection
- CE Mark Meets 2004/108/EEC
- Safety Meets IEC/EN/UL 60950-1
- UL60950-1 Approval for DC Modules  
(Excludes CHE100W and 28Vout)



Ordering Information						
CHB(E)XXX-	XX	S	XX	N	-XXX	+X-XXXX
Model No.	Nominal Input Voltage		Output Voltage	Remote ON/OFF		Heat Sink Type (Option)
CHB50W CHB75W CHB100W CHE100W	24 : 24VDC 48 : 48VDC	Single Output	3V3/33: 3.3VDC 05: 5VDC 12: 12VDC 15: 15VDC 24: 24VDC 48: 48VDC	None: Positive Logic N: Negative Logic	CM: Chassis Mount DIN: Din Rail Mount	M-C308 M-C091 M-C092
CHB50W CHB75W CHB100W			28: 28VDC			

Require input and output aluminum capacitor connected in the table below.

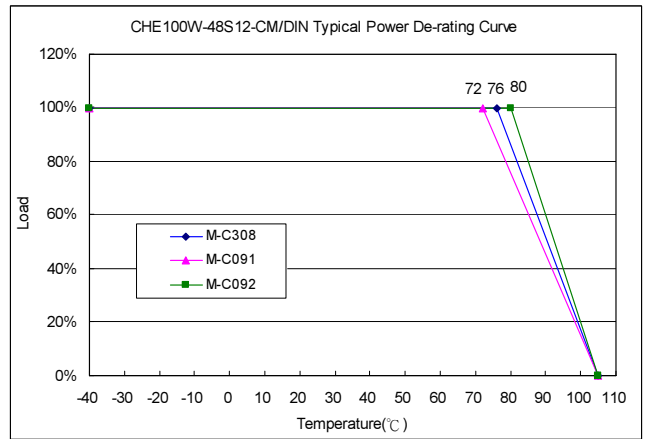
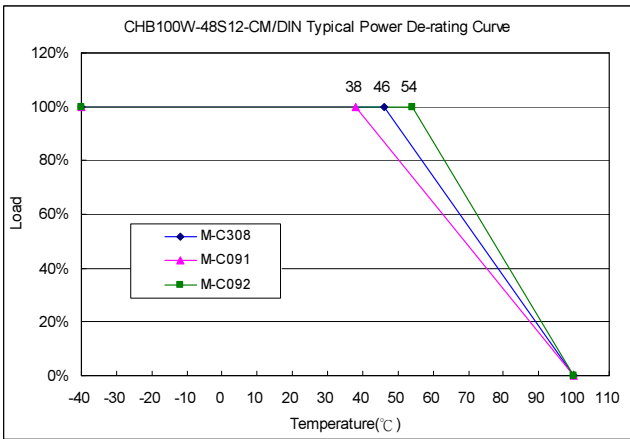
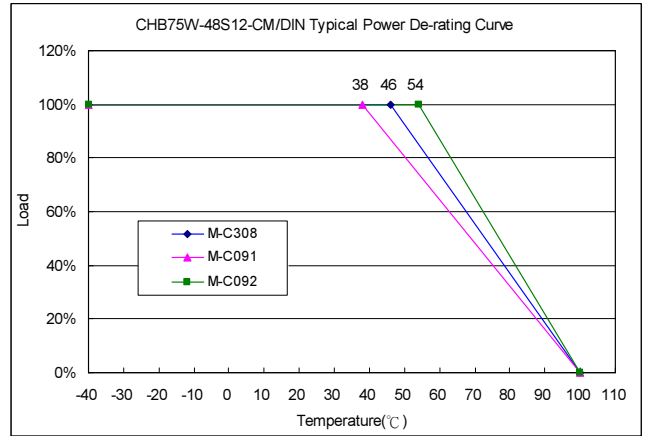
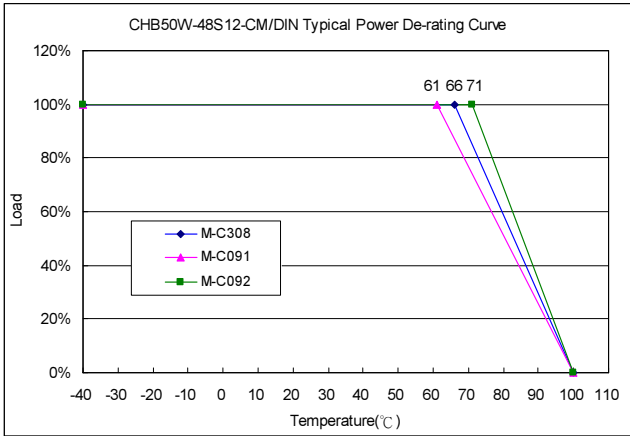
MODEL NUMBER	INPUT	OUTPUT
CHB50W-XXSXX-CM/DIN	NC	47uF/100V for 48Vout Models Only
CHB75W-XXSXX-CM/DIN	47uF/100V for 48Vin Models	47uF/100V for 48Vout Models Only
CHB100W-XXSXX-CM/DIN	100uF/100V for 24Vin Models 47uF/100V for 48Vin Models	47uF/100V for 48Vout Models Only
CHE100W-XXSXX-CM/DIN	220uF/100V	10uF/100V for 48Vout Models Only

**NOTE:**

1. Short JP1 to connect +S and +Vo, JP2 to connect -S and -Vo with local sense.
2. Remove jumper (JP1& JP2), terminal block port +S, -S & Trim can be used to Output Remote Sensing or Output Voltage Adjustment functional (see application note).
3. Thermal resistance is referenced to the application note.
4. Include TVS for input surge voltage protection.
5. Recommend external fuse for input reverse polarity protection (Include shunt diode inside).
6. Suffix "DIN" to the Model number with din mount, the clip is suitable for TS-35 din rail.

# POWER DERATING CURVE

Typical Derating Curves at Nominal Line, Full Load, and natural convection



## Mechanical Specification

PIN CONNECTIONS			
PIN	FUNCTION	PIN	FUNCTION
1,2	+V Input	11	+Sense
3,4	-V Input	12	Trim
5	On/Off	13	-Sense
6	CASE	JP1	Short +S& +Vo
7,8	+V Output	JP2	Short -S& -Vo
9,10	-V Output		

Suffix -CM (Left Side) / Suffix -DIN (Right Side)

