

270V Series High-Voltage DC/DC Converter

The 270V full-brick, half-brick, and 1/4-brick series DC/DC converters provide isolated and high-efficiency regulated power supplies with input operating voltages of 155V~425V for the characteristics of 270V onboard DC power supply, simplifying the system design of engineers, and achieving high power output and redundant backup requirements in a small size.

Product features:

- High voltage wide range input: 155V~425V
- Efficiency: Up to 92%
- Parallel flow equalization
- Over-temperature, over-voltage, and short-circuit (over-current) protection
- Inputs, outputs, and housings are isolated from each other
- Operating temperature (case temperature): - 55°C~100°C
- Output adjustment range: - 20%~10%
- Product size(mm):
Full brick: 119.1×63.1×13.0
Half brick: 63.1×60.6×12.6
1/4-brick: 39.0×60.6×12.7
- weight: Full brick: 280g; Half brick: 134g; 1/4-brick: 91g
- Completely replaces SynQor counterparts
- Meet GJB181, GJB181A overvoltage, undervoltage, transient



Performance index

Product size	Input voltage (V)	Maximum power(W)/ Efficiency (%)						
		3.3V	5V	8V	10V	12V	28V	48V
Full brick	155~425	-	400/88	-	-	600/90	600/92	600/92
Half brick	155~425	200/86	250/87	-	-	300/87	300/90	300/91
	240~280	-	-	400/88	400/89	-	400/90	-
1/4-brick	155~425	100/85	150/85	-	-	150/86	150/86	150/86

Product selection

Product series	class	Input voltage	Output voltage	Package size	Mounting form	Screening level	Functional options
MCOTS Series	C: Converter	270: 155~425V 270N: 240~280V	3R3: 3.3V 05: 5V 08: 8V 10: 10V 12: 12V 15: 15V 28: 28V 48: 48V	FT: Full brick HT: Half brick QT: 1/4-brick	N: Threaded holes F: Flange	M: Mil	F: Full Function