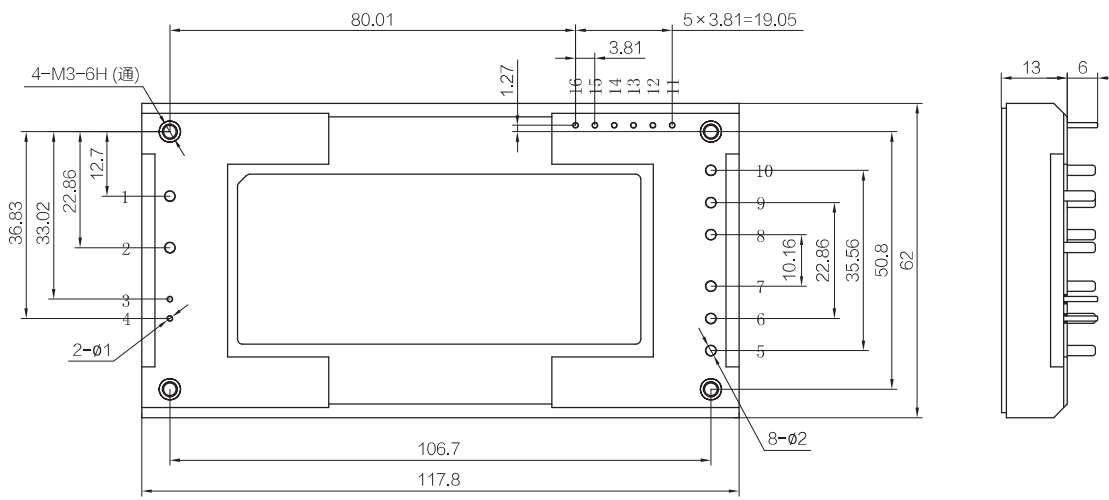




Full Brick DC-DC Converter-800W

- High output power up to 800W
- High efficiency up to 93%
- 2:1 input ratio
- High voltage type
- Monotonic start-up into pre-bias load
- Input under / over voltage protection
- Output over-current protection
- Output over voltage protection
- Over temperature protection
- Parallel function
- Logic control
- All series encapsulation potted: aluminum plate process with excellent heat dissipation

Mechanical Specifications



Unit: mm Deviation: .X=±0.25 .XX=±0.10 Pin: ±0.25



Pin	Function
1	-VIN
2	+VIN
3	-ON/OFF
4	+ON/OFF
5~7	+VO
8~10	-VO
11	-S
12	+S
13	TRIM
14	PC/NC
15	IOC
16	AUX

Specification Parameter

Parameter	Unit	EFBS800-300S12	EFBS800-300S28	EFBS800-300S36	EFBS800-300S48	
Input	Input voltage	Vdc		-0.3~440		
	Input voltage (100ms)	Vdc		-0.3~500		
	Operating voltage	Vdc		200~400		
	Remote off input current	mA		10		
	Inrush current transient	A ² s		-		
	Input opening voltage	Vdc		190		
	Input On and Off voltage	Vdc		180		
	Lockout hysteresis voltage	Vdc		10		
	Input turn off voltage	Vdc		440		
	Input current (max.)	A		4.44		
	Input current (no load)	mA		50		
	Switching frequency	kHz		200		
	Output	Output voltage	Vdc	12	28	36
Output current		A	-	-	-	-
Output power (max.)		W		800		
Typical efficiency		%		93.5		
Output voltage trim range		%Vo, set		-20~10		
Output voltage regulation		%Vo, set		0.25		
Load regulation		%Vo, set		0.25		
Regulation over temperature		%Vo, set		1		
Output ripple and noise						
Full load: PK-PK		%Vo, set		1		
RMS		mVrms		-		
Output capacitance		uF		10000		
Output current limit		%Io, set		120		
Over voltage protection		%Vo, set		120		
Transient response						
Io=50% to 75% full load: PK-PK		%Vo, set		3%, 400 μs		
Over-temperature shutdown		°C		105 (TC)		
OCP hiccup time		sec		5		
OVP hiccup time		sec		2.5		
Others		Operating temperature	°C		-55~100	
	Storage temperature	°C		-55~125		
	Input/output isolation voltage	Vdc		3000		
	Size (L*W*H)	mm		117.8*62*13		