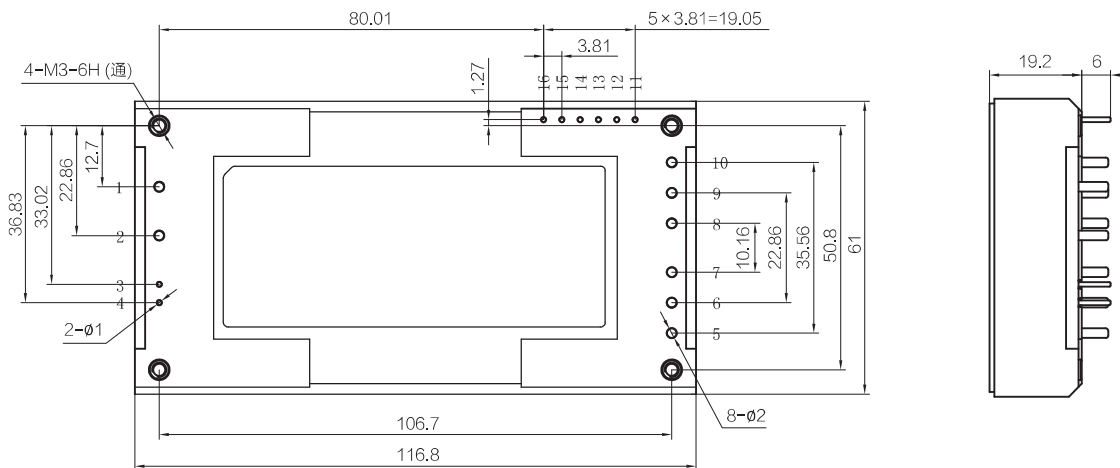




Full Brick DC-DC Converter-1200W

- High output power up to 1200W
- High efficiency up to 94%
- 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



单位: 毫米 (mm) 误差: .X=±0.25 .XX=±0.10 引脚: ±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	EFBS1200-300S28	EFBS1200-300S36	EFBS1200-300S48	EFBS1200-500S28	EFBS1200-500S36	EFBS1200-500S48	
Input	Input voltage	Vdc	-0.3~440			-0.3~680		
	Input voltage (100ms)	Vdc	-0.3~500			-0.3~700		
	Operating voltage	Vdc	200~400			400~650		
	Remote off input current	mA	10			5		
	Input opening voltage	Vdc	190			360		
	Input under voltage	Vdc	180			350		
	Input under voltage hysteresis	Vdc	10			10		
	Input over voltage	Vdc	440			680		
	Voltage recovery	Vdc	430			670		
	Input current (max.)	A	6.7			3.4		
	Input current (no load)	mA	50			20		
	Switching frequency	kHz	200			200		
	Output	Output voltage	Vdc	28	36	48	28	36
Output current		A	43	33	25	43	33	25
Output power (max.)		W	1200					
Typical efficiency		%	94					
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	1.5					
Output ripple and noise								
Full load: PK-PK		%Vo, set	1					
RMS		mVrms	-					
Output capacitance		uF	100000					
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	116.8*61*19.2					