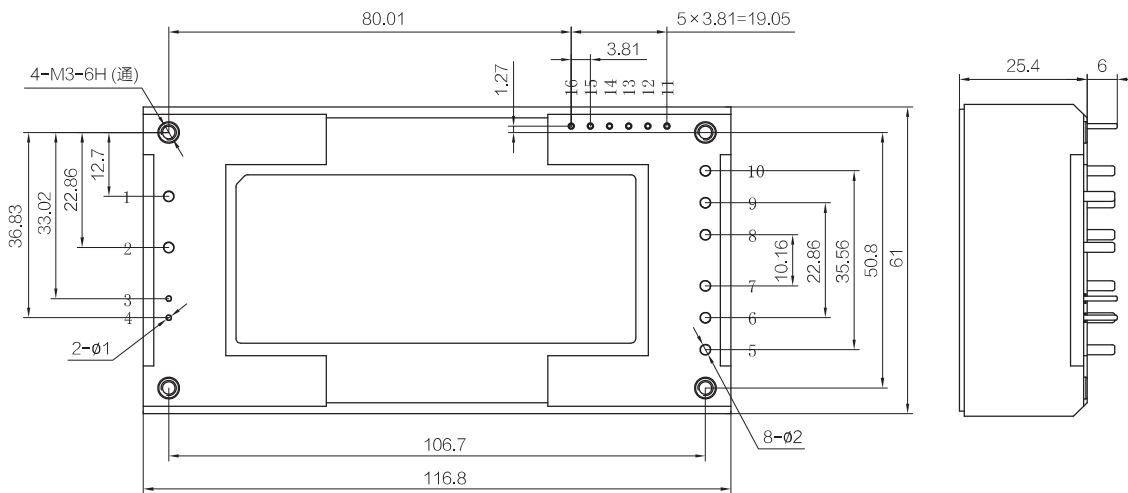




Full Brick DC-DC Converter-1500W

- High output power up to 1500W
- 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



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	EFBS1500-300S28	EFBS1500-300S36	EFBS1500-300S48	EFBS1500-500S28	EFBS1500-500S36	EFBS1500-500S48	
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		
	Inrush current transient	A ² s	0.05			0.05		
	Input opening voltage	Vdc	190			360		
	Input On and Off voltage	Vdc	180			350		
	Lockout hysteresis voltage	Vdc	10			10		
	Input turn off voltage	Vdc	440			680		
	Input current (max.)	A	8.3			4.2		
	Input current (no load)	mA	50			20		
	Switching frequency	kHz	200			200		
	Output	Output voltage	Vdc	28	36	48	28	36
Output current		A	54	42	31	54	42	31
Output power (max.)		W	1500					
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	50					
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*25.4					