

DATASHEET

FLAOT CUM BOOST CHARGER



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PIPL-4820BCD

1200W FLOAT CUM BOOST CHARGER

❖ FEATURES :

1. Wide input supply range.
2. Built in EMI filter, low ripple noise.
3. Protection: Short circuit / Over load / Over voltage.
4. 100% Full Load Burn in test.
5. High efficiency, long life and high reliability.
6. Miniature size.

❖ SPECIFICATION:

MODEL NO:		PIPL-4820BCD
OUTPUT	BATTERY VOLTAGE	48VDC
	FLOAT VOLTAGE	54.00VDC
	BOOST VOLTAGE	57.6VDC
	RATED CURRENT	20A
	RATED POWER	1200W
	RIPPLE & NOISE (max)	<1% Of Rated Voltage
	CHARGER TYPE	AUTOMATIC
	LINE REGULATION	<+/-1%
LOAD REGULATION	<+/-1%	
INPUT	VOLTAGE RANGE	180V TO 270VAC
	PFC	INBUILT POWER FACTOR 0.99
	FREQUENCY RANGE	50Hz
	EFFICIENCY	>85%
PROTECTION	OVERLOAD	Above 105% Rated Output Power Protection Type: Recovers automatically after Fault condition is removed
	OVERVOLTAGE	103% Rated Output Voltage Protection Type: Recovers automatically after fault condition removed.
	INDICATION	LED FLOAT ON / BOOST ON
METERING	DIGITAL OUTPUT VOLT & AMP	
ENVIRONMENT	WORKING TEMP.	(-5DegC To 55DegC.)
	WORKING HUMIDITY	20 To 90% RH Non Condensing.
	STORAGE TEMP./HUMIDITY	(-10 To 85DegC 10 To 95%RH)
	VIBRATION	(-10 To 500 Hz,2G,20min/Sweep,Period-1Hr,Each along X,Y,Z axes.
SAFETY & EMC	SAFETY STANDARD	Designed To Meet UL60950-1
	WITH STAND VOLTAGE	I/P-O/P:2KVDC,I/P-Earth:2KVDC
	ISOLATION RESISTANCE	I/P-O/P,I/P-Earth:100MOhms/500VDC.
	EMI & EMC	Designed To Meet EN55022,EN61000-4-2.
OTHERS	ENCLOSURE PROTECTION	IP-20
	COOLING	FORCED COOLING
	DIMENSION(L*W*H)	400*210*350mm (L*W*H)
	WEIGHT	12.0Kg
NOTE	1.All parameters NOT specially mentioned are measured at typical input, rated load and 25Deg C ambient temperature. 2.Ripple & noise are measured at 20MHz of bandwidth by using a 12"twisted pair-wired terminated with a0.1uF & 47uF parallel capacitor. 3.Tolerance includes set up tolerance ,line regulation and load regulation. 4.The power supply is considered a component which will be installed into final equipment. The final equipment must be recon formed that it still meets EMC directives. 5.Specifications are subject to change without prior notice due to constant improvement in design& technology.	

SMPS IDC DC Converters | Adapters | Electro Plating Rectifier | POE SMPS | Battery chargers | DC AC Converter
DC Regulator Power supply | LED Driver | Inverter | CVT | Servo controlled Voltage Stabilizer | Transformer