

HDM's IXL Charger with power factor correction incorporates an advanced energy conversion technology that rapidly charges the battery while extending battery life. Utilizing an intelligent microprocessor, the charger allows a high rate of charge to the battery without overheating the battery, thereby significantly reducing charge time.



CHARGING METHOD	
2-Stage with Temperature Derated Charge for LiFePO4	
Bulk	Maximum charging current to battery. Duration depends on AHr rating.
Absorption	Constant absorption voltage to battery. Duration depends on AHr rating, terminates at 5% C current or after 30 minutes.
ELECTRICAL	
AC Input Voltage	115VAC or 230VAC
AC Input Voltage Range	90 ~ 240VAC
AC Input Frequency	50 ~ 66Hz
AC Input Current ²	20ARMS, Max
AC Power Factor	>0.98 @ 120VAC
DC Charge Voltage Range	20 ~ 30VDC (±0.4)
DC Charge Current	84ADC, Max
DC Charge Current Limit	84ADC, Max
DC Over-Voltage Protection	32VDC (±0.4)
DC Output Power	1600W, Max @ VIN 100VAC 2500W, Max @ VIN 240VAC
Overload Protection ²	Electronic / External Fuse
Short Circuit Protection ²	Electronic / External Fuse
Efficiency	>91%
Temperature Derated Charge	T _{Thermistor} ≥ +70(±15%)°C (Internal)
GENERAL	
Dimension (LxWxH)	530mm x 220mm x 124mm (LxWxH)
Weight	17 lbs
Construction	Aluminum Enclosure in Black Anodized Finish
AC Input Connections	1200mm 12AWG/3C With #6 Ring Terminals
DC Output Connections	1000mm 4AWG/2C With 3/8 Ring Terminals
Data I/O Port	300mm 18AWG/3C With Deutsch DT04-3P-E008 PIN Connector
Cooling	External Cooling Fan
Operating Temperature	-40 ~ +65°C
Storage Temperature	-40 ~ +85°C
Warranty	1 YR

Standard Features

- 84ADC Maximum Output Current
- 2-Stage Charging Method
- Universal AC Input
- Power Factor Correction
- Auto-Restart Mode¹
- Current Limiting
- Output Overload Protection
- Output Over-Voltage Protection
- Output Short Circuit Protection
- Temperature Derated Charge
- LED Status Indicator

Applicable Performance Requirements

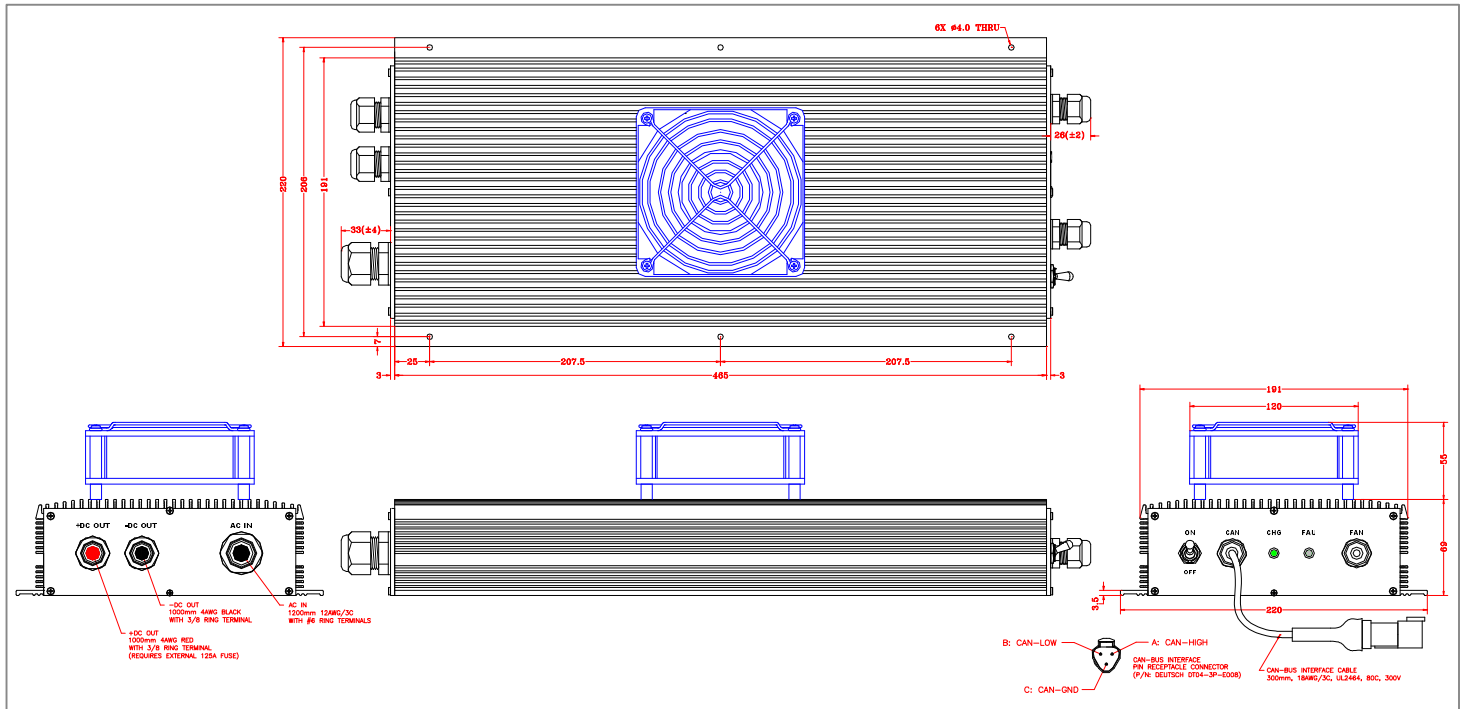
- Meets IP65 Requirements

Specifications typical at 25°C unless otherwise stated and are subject to change without notice.

1 IXL-2484EP AC charger will auto-recover and restart when parameters are within operating limits and charger LED will return to steady Green.

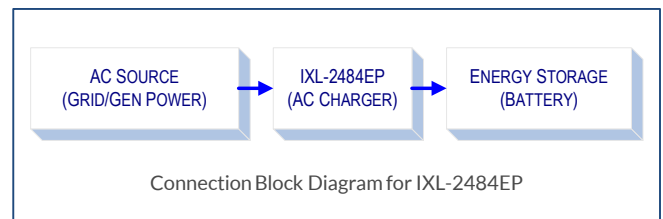
2 Require external AC input and DC output fuses or breakers for circuit protection.

IXL Battery Charger Diagram



MODE	CHARGER LED	FAULT LED	CHARGE STATUS
Off			Charger LED: Blank / Fault LED: Blank
Normal			Charger LED: Steady Green / Fault LED: Blank
Fault			Charger LED: Blank / Fault LED: Steady Red

MODEL	CHARGE VOLTAGE/ CURRENT	DESCRIPTION
IXL-2484EP	30Vdc / 84Adc	115 or 230VAC Input; Power Factor Correction
Add suffix after model name for optional features and accessories.		
UAC - Universal AC Input 115/230VAC		
CAN - CAN-Bus Interface (Data Broadcast, Output Current Limit Setting At 1% Increments Via CAN Command)		
LI - Charge Profile for LiFePO4 Battery		



All dimensions in millimeters unless otherwise specified.

Product appearance may vary by model or revision. Please consult with HDM Systems representatives.