

POYRAZ

Series

**Poyraz Series Technical Specifications**  
3 Phase Input Vehicle Battery Charger With Isolation Transformer

MODEL (See Below Tables)\*



INPUT		
Voltage	380 Vac (Optional 400/415) Vac	
Voltage Tolerance	± 20%	
Frequency	50 Hz , (Optional 60 Hz)	
Frequency Tolerance	± 5%	
OUTPUT		
Voltage Range (Vdc)	400, 600 Vdc (Others on Request)	
Voltage Regulation	± 1%	
Output Currents (A)	40,125A (Others on Request)	
Ripple	<1% (Without Battery)	
Efficiency	Up to 90%	
GENERAL		
Control	Microprocessor Controlled	
Protections	Short Circuit, Over Current, Over Temperature, Output Voltage Low/High, Input voltage Low/High	
Battery Charge Mode	Float Charge	
Display	128x64 Graphic LCD, 4 Buttons, 6 pcs LED	
Isolation	Input-Output: 2000 V, Input/Output to Ground: 1000V	
ENVIRONMENTAL		
Operating Temperature	0 ~ +40 °C	
Storage Temperature	-20 ~ +70 °C	
Relative Humidity	% 0-95 (Non-condensing)	
Cooling	Forced Cooling with Fan	
Protection Level	IP20, IP43 (Others on Request)	
Acoustic Noise	60 dBA	
PHYSICAL		
Dimensions (HxWxD) mm.	Up to 24 kW	1300x800x590
	Up to 50 kW	1546 x 800 x 738
	Others	Ask for Other Models
STANDARDS		
Harmonized Standards	EN62040-1, EN 61204 (LVD), EN61204-3 (EMC)	

**BATTERY CHARGING RECTIFIERS**

POYRAZ series Battery Chargers are designed by using today's technology for charging batteries of electric vehicles and DC energy necessity of the equipment's which are supplied with the very sensitive direct current. To provide the minimum ripples, Battery Charger uses DSP Controlled IGBT technology and advanced filters at the input and output.

**GENERAL FEATURES**

- Ideal Charger for Electric Vehicle Battery
- IGBT Rectifier
- Voltage and Current Controlled Automatic Charge
- Low Ripple Value
- High Efficiency and Reliability
- Electronic Protections
- Microprocessor Controlled
- CANBUS Communication for Smart Battery Charging
- User Friendly LCD Panel
- Easy to Use

POYRAZ											
V \ A	30	40	50	60	100	150	200	250	300	400	600
400	400-30	400-40	400-50	400-60	400-100	400-150	400-200	400-250	400-300	400-400	600-400
600	600-30	600-40	600-50	600-60	600-100	600-150	600-200	600-250	600-300	600-400	600-600

\* Other models are available per request.