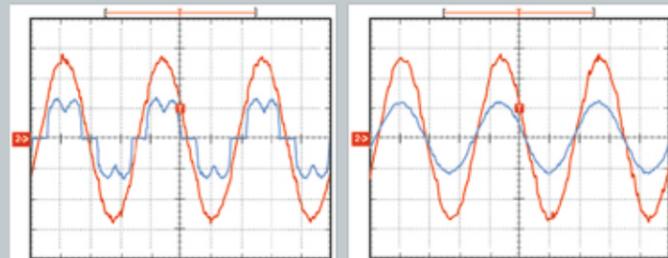




True Harmonic Solution & Power Factor Correction
 Enersine not only compensates harmonic current but also improves power factor. It will also correct for either a leading or lagging power factor.

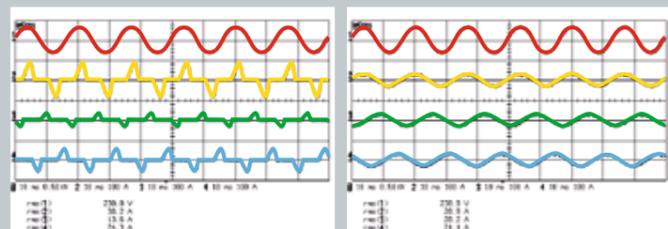


Before Enersine On
 THDi%=30%, PF=0.81

After Enersine On
 THDi%=4.3%, PF=1.0



Corrects Unbalance Three Phase Utility
 Enersine also includes a load balancing function between phases and between phases and neutral.

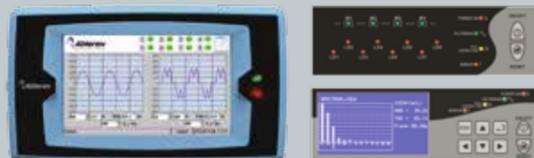


Before Enersine On

After Enersine On

User Friendly HMI
 Enersine is equipped with a user friendly control panel. A simple On or Off function and features buzzer silence and system status inductors. The LCD control and display panel offers multiple advanced features.

- ▶ Complete with V, I, Freq., PF, KVA, THD parameters
- ▶ Waveforms and harmonic spectrum
- ▶ Control command
- ▶ Configure settings
- ▶ Status and alarms
- ▶ Event log



Specifications

Model	ESD34 30A	ESD34 100A&150A	Enersine Pro 60A&80A	
General	Equipment Storage Temperature	-20°C to + 70°C		
	Operating Temperature	-10°C to +40°C without derating		
	Relative Humidity	<95%		
	Operating Altitude	<1000 m without derating		
	Reference Harmonic Standard	EN61000-3-4, IEEE 519		
	Reference Design Standard	EN60146		
	Safety Standard	EN50178; UL508		
	Electromagnetic Compatibility	EN61000-6-4, EN55011, CISPR 11, IEC 61000-3-12, IEC 61000-3-11, IEC 61000-6-2, IEC 61000-4-2, IEC 61000-4-3, IEC 61000-4-4, IEC 61000-4-5, IEC 61000-4-6, EN 61000-4-8, EN61000-4-34		
	Input Voltage	400V +15%,-20%; 480V +10%, -20%		
	Phase/Wires	3 phase 4 wires/3wires		
Frequency	50/60±3 Hz			
Harmonic Compensation	From 2nd to 51st order			
Electrical	Power Factor Correction	Both lagging and leading can be programmable.		
	Load Balancing	Both phase to phase and phase to neutral		
	Response Time	<300us Global Mode	< 20 ms Selective Mode	
	Control Algorithm	CT at Source Side: Closed Loop Control		CT at Load Side: Open Loop Control
	Parallel	Up to 960A	Up to 1200A	Up to 1920A
	Display	LED Panel or 4.3" Graphic LCD	7" Colorful LCD Touch Screen	
	Communication	Dry Contact	3 Output Dry Contacts, 1 Input Dry Contact, 1 EPO	
		Communication	USB, RS-485 Modbus RTU Port, Ethernet Port	
		Software	ESD-Link34 Monitoring Software (Option)	
	Physical	Type	Modular Rack/ Wall Mount	Standalone/Open Chassis
Dimensions (WxHxD,mm/inch)		CM: 440x710x86 /17.3x28x3.4 (2HU)	Standalone (IP20):	CM: 440x630x86/17.3x24.8x3.4 (2HU)
		PM: 440x710x131/17.3x28x5.2 (3HU)	600x600x1900 / 23.6x23.6x74.8	PM: 440x630x176/17.3x24.8x6.9 (4HU)
		120A Frame: 600x1000x1500 / 23.6x39.4x59	Open Chassis (IP00):	320A Frame: 600x900x1500/23.6x35.4x59.1
240A Frame: 660x1000x1950 / 23.6x39.4x76.8		440x441x1500/17.3x17.4x59.1	480A Frame: 600x900x1950/23.6x35.4x76.8	
Weight (kg/lbs)	CM: 14/30.8 PM: 31/68.2 120A Frame(IP21): 146/321.2 (w/o PM) 240A Frame (IP21): 422.4/192 (w/o PM)	Standalone (IP20): 100A 195/429 150A 205/451 Open Chassis (IP00): 100A 110/242 150A 120/264	CM: 10/22 PM: 43/94.6 320A Frame(IP21): 161/354.2(w/o PM) 480A Frame(IP21): 207/455.4(w/o PM)	

* Specifications subject to change without notice.
 ** Depending on the model and voltage, please contact Ablerex for more information.
 *** The same technical specification may be sold in different countries under different model names, please consult Ablerex for more information.

