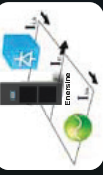


Enersine Active Power Filter



■ True Harmonic Solution

- Compensate up to 51st harmonics
- Power Factor Correction
- Correct unbalance three phase utility
- User Friendly HMI

- A** Enersine ESD34 30A Modular Serial
- B** Enersine ESD34 100A & 150A Standalone Serial
- C** Enersine ESD34 100A & 150A Open Chassis Serial
- D** Enersine Pro 80A Modular Serial



Specifications

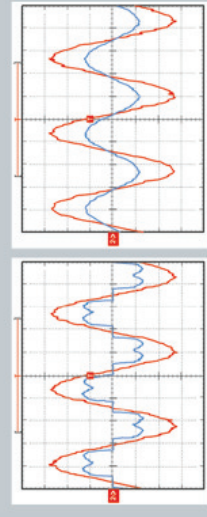
Model	ESD34 30A	ESD34 100A&150A	Enersine Pro
Equipment Storage Temperature	-20°C to + 70°C		
Operating Temperature	-10°C to +40°C without derating		
Relative Humidity	<95%		
Operating Altitude	<1000 m without derating		
Reference Harmonic Standard	EN61000-3-4, IEEE 519-1992		
Reference Design Standard	EN60146		
Safety Standard	EN50176; UL-508		
Electromagnetic Compatibility	EN61000-6-4, EN5011, 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%		
PhaseWires	3 phase 4 wires/3wires		
Frequency	50/60±3 Hz		
Harmonic Compensation	From 2nd to 51 st order		
Power Factor Correction	Both lagging and leading can be programmable.		
Load Balancing	Both Phase to Phase and Phase to Neutral		
Response Time	<300us Global Model		
Control Algorithm	CT at Source Side; Close Loop Control		
Parallell	Up to 960A	Up to 1200A	Up to 1920A
Display	LED Panel or 4.3" Graphic LCD		
Dry Contact	3 Output Dry Contacts, 1 Input Dry Contact, 1 EPO		
Communication	USB, RS-485 Modbus RTU Port, Ethernet Port		
Software	ESD-Link&4 Monitoring Software (Option)		
Type	Modular Rack/Wall Mount	Standalone/Open Chassis	Modular Rack Mount
Dimensions (WxDxH) mm	CM: 440 x 710 x 86 (2HU) PM: 440 x 710 x 131 (3HU) 120A Frame: 600 x 1000 x 1500 240A Frame: 600 x 1000 x 1950	Standalone (IP20): 600 x 600 x 1900 Open Chassis (IP00): 440 x 441 x 1500	CM: 440 x 630 x 86 (2HU) PM: 440 x 630 x 176 (4HU) 320A Frame: 600 x 900 x 1500 480A Frame: 600 x 900 x 1950
Weight	CM: 14Kgs PM: 31Kgs 120A Frame(IP21): 148Kgs (w/o PM) 240A Frame (IP21): 192Kgs (w/o PM)	Standalone (IP20): 100A 195kgs 150A 205kgs Open Chassis (IP00): 100A 110kgs 150A 120kgs	CM: 14Kgs PM: 49Kgs 320A Frame(IP21): 161Kgs (w/o PM) 480A Frame(IP21): 207Kgs (w/o PM)



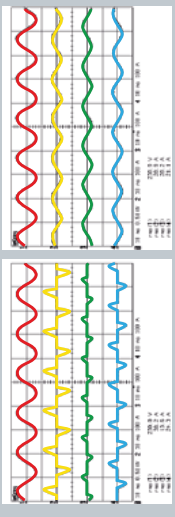
*Specifications subject to change without notice
 **Depending on the model and voltage, more information please contact with Ablerex
 ***Model names vary between countries; please consult Ablerex for more information.
 ****The technical specification remains the same.



True Harmonic Solution & Power Factor Correction
 Enersine not only compensate harmonic current but also improve power factor. It is able to correct for either a leading or lagging power factor.



Correct unbalance three phase utility
 Enersine also offer load balancing function between phases and between phases and neutral.



User Friendly HMI
 Enersine is equipped with a user friendly control panel. Its simple to turn on or off and features buzzer silence and system status indicators. The LCD control and display panel offers more advantages features.



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