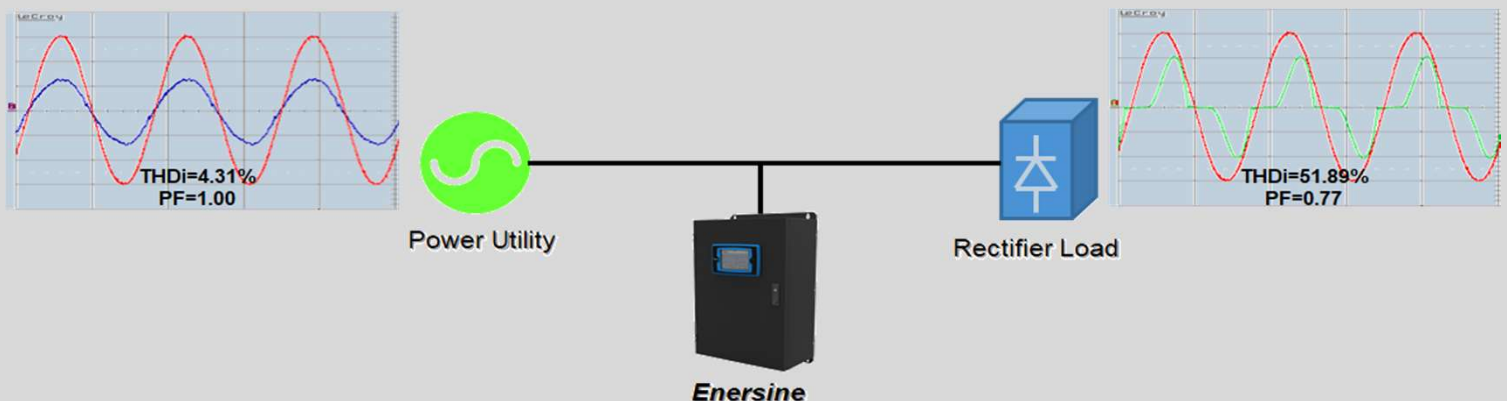


# Enersine Pro ESP Series Active Power Filter

Wall Mount 60~100A



- 3 Level IGBT Technology for Top Performances
- Wall-mounting Installation
- For Building and Industrial Applications where Space Restrictions Exist
- Compensate up to 51st Harmonics Orders
- Power Factor Correction for Both Leading and Lagging Power Factor
- Correct Unbalance Three Phase Utility
- Can Work in Closed or Open Loop
- Different Current Rating Units Can Operate in Parallel
- Advanced Operations Interface: 7"Color LCD Touch Screen
- Display Voltage/Current Waveform, Parameter and Harmonic Spectrum



# Specifications

Capacity	60A		80A	100A
Input Voltage	208 / 400 / 440V +15%, -20%; 480 V +10%, -20%			
Phase/Wires	3 phase 4 wires/3wires <sup>#1</sup>			
Frequency	50/60 Hz ±3 Hz (Auto Sensing)			
Maximum Compensation Current/Phase	60 Arms	80 Arms	100 Arms	
Maximum Compensation Current of Neutral Line <sup>#2</sup>	180 Arms	240 Arms	300 Arms	
Inrush Current	Less than rated current			
Current Limitation	Yes, at full correction			
Compensated Harmonic Orders	From 2 <sup>nd</sup> to 51 <sup>st</sup> order			
Power Factor Correction	Both lagging and leading programmable			
Load Balancing	Both phase to phase and phase to neutral			
CT Ratio	Primary Current: 100-10,000 A Secondary Current: 1A/5A			
CT Location	Source Side: Closed Loop Control Load Side: Open Loop Control			
Response Time	< 10 ms			
Parallel <sup>#3</sup>	One Master unit can parallel with 3 Slave units. Up to 4 Master units in parallel.			
Color	RAL9011 (PANTONE Process Black C)			
Protection Index	IP30/31			
Dimensions (WxDxH) [mm]	Master <sup>#4</sup>	IP30	500 x 301 x 775	
		IP31	500 x 301 x 808	
	Slave <sup>#4</sup>	IP30	500 x 286 x 775	
		IP31	500 x 286 x 808	
Weight [kg]	Master	51	58	60
	Slave	46	53	55
Control Panel	7" Colorful LCD Touch Screen			
Dry Contacts	3 Output Dry Contacts, 1 Input Dry Contact			
Communication Interface	EPO, USB, RS-485, Ethernet			
Monitoring Software (optional)	ESP-Link			
Communication Protocol	J-Bus/MOD Bus Protocol			
Storage Temperature	-20°C ~ 70°C			
Operating Temperature	0°C ~ 40°C without derating			
Relative Humidity	< 95%			
Operating Altitude	<1000 m without derating			
Reference Harmonic Standard	EN 61000-3-4 , IEEE 519-1992			
Reference Design Standard	EN60146			
Safety Standard	EN 50178			
Electromagnetic Compatibility	EN61000-6-4, EN55011, CISPR11, IEC61000-3-11, IEC61000-3-12, EN61000-6-2, EN61000-4-2, EN61000-4-3, EN61000-4-4, EN61000-4-5, EN61000-4-6, EN61000-4-8, EN61000-4-34			
Markings	CE			

#1 Voltage level 440V and 480V only can be applied in 3P3W system.

#2 Available for 3P4W application.

#3 Different current rating units can operate in parallel.

#4 Master Unit: come with main control and LCD Screen. Slave Unit without main control and LCD Screen.

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