



ENTES



**The All-in-One Solution to
Power Quality Issues**

ENT SVG & AHF Series



**Fast and Accurate Inductive &
Capacitive Compensation**

Quick and Easy Installation

100% Load Balancing

Low Maintenance Cost

Improved Energy Efficiency

Advanced Harmonic Filtering

**SVG Filtering up to the
13th Harmonic**

**AHF Filtering up to the
50th Harmonic**



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TECHNICAL SPECIFICATIONS

	SVG				AHF			
Specifications	30 kVar	50 kVar	75 kVar	100 kVar	30/50A	75A	100A	150A
Module Dimensions (mm) - Rack Type	452.5*450*86	472*540*122	551*540*190	558*540*220	452.5*450*86	472*540*122	551*540*190	558*540*220
Module Dimensions (mm) - Wall Type	550*423*88	558*503*122	597*503*190	608*503*220	550*423*88	558*503*122	597*503*190	608*503*220
Weight	14 kg	21 kg	36 kg	41 kg	14 kg	21 kg	36 kg	41 kg
Cooling Air Flow	4x80 CFM	4x120 CFM	4x120 CFM	4x210 CFM	4x80 CFM	4x120 CFM	4x120 CFM	4x210 CFM
Working Voltage	380V (± 20%)							
Working Frequency	50Hz / 60Hz (Range: 45Hz - 62.5Hz)							
Wiring Structure	3P3W/ 3P4W							
Functions								
Harmonic Filtering	2. ~ 13.				2. ~ 50.			
Reactive Power Compensation	Adjustable from -1 to +1							
Unbalance Correction	%100 Unbalance Correction							
Protection Functions	Overvoltage / Undervoltage, Overtemperature, Overcurrent, Short Circuit, Inverter Bridge Protection, Overcompensation Protection; 20+ Integrated Protection Functions							
Technical Parameters								
Current Transformer Range	50/5 ~ 6000/5							
Harmonic Filter Rate	≥ 97%							
Filter Performance	THDi<5%							
Noise Level	<60 dB							
Response Time	50us							
Full Response Time	<10ms							
IGBT Switching Frequency	20kHz							
Topology Design	3 Level Topology							
Parallel Quantites	Unlimited for Internal HMI Screen Devices / Unlimited with 8 Modules per Screen for External HMI Screen							
Communication								
Communication Port	RS485 & MODBUS							
Communication Protocol	Modbus Protocol & Optional Ethernet							
Module Display	Internal 4,3 inch LCD Touch Screen or External 7 inch LCD Touch Screen							
Monitoring	Local Monitoring or Centralized Monitoring (Enerthings compatible)							
Mechanical Parameters								
Mounting Type	Wall Mounted / Rack Mounted							
Color	Black							
Installation Altitude	1% up 2000 m. Between 2000 m to 4000 m, According to GB/T3859.2,the Power Decreases by 1% for Every Additional 100 m.							
Relative Humidity	5% -95% Non-condensing							
Operating Temperature	-10 ~ 45°C							
Protection Class	IP20							
Compliance & Standards	EN 61000-6-2, EN 610006-4, IEC 62477-1							

HEADQUARTERS

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