



# ENTES



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

## ENT SVG & AHF Series



**Fast and Both Inductive and  
Capacitive Compensation**

**Quick and Easy Installation**

**%100 Unbalancing**

**Low Maintenance Cost**

**Increasing Energy Efficiency**

**Solution of Harmonic Faults**

**SVG Filtering up to  
13th Harmonic**

**AHF Filtering up to  
50th Harmonic**



[www.entes.eu](http://www.entes.eu)

   / enteselektronik

## TECHNICAL SPECIFICATIONS

Specifications	SVG				AHF			
	30 kVar	50 kVar	75 kVar	100 kVar	30/50A	75A	100A	150A
Modul Size (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
Modul Size (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	4x10 CFM	4x80 CFM	4x120 CFM	4x120 CFM	4x10 CFM
Working Voltage	380V ( ± 20% )							
Working Frequency	50Hz / 60Hz (Range: 45Hz - 62.5Hz)							
Wiring Structure	3P3W/ 3P4W							
<b>Functions</b>								
Harmonic Filtering	2. ~ 13.				2. ~ 50.			
Reactive Power Compensation	Adjustable -1 to +1							
Unbalance Correction	%100 Unbalance Correction							
Protection Functions	Over Voltage, Under Voltage, Over Heat, Over Current, Short Circuit, Inverter Bridge Inverse Protection, Over Compensation Protection etc. more than 20 kinds of protection							
<b>Technical Parameters</b>								
Current Transformers	50/5 ~ 6000/5							
Harmonic Filter Rate	≥ 97%							
Filter Performance	THDi<5%							
Noise Level	<60 dB							
Responce Time	50us							
Full Responce Time	<10ms							
IGBT Switching Frequency	20kHz							
Topology Design	3 Level Topology							
Parallel Quantites	Unlimited for Internal HMI Screen Devices / Unlimited with 6 Modules per Screen for External HMI Screen							
<b>Communication</b>								
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	Independent Monitoring or Centralized Monitoring & Enerthings							
<b>Mechanical Parameters</b>								
Mounting Type	Wall Mounted / Rack Mounted							
Color	Black							
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							
Working Temperature	-10 ~ 45°C							
Protection Class	IP20							
Standard Compliance	EN 61000-6-2, EN 610006-4, IEC 62477-1							

### HEADQUARTERS

Address: Dudullu OSB; 1. Cadde; No: 23 34776 Umraniye - ISTANBUL / TURKIYE Tel: +90 216 313 01 10 Fax: +90 216 314 16 15 Sales Fax: +90 216 365 71 71  
E-mail: contact@entes.eu Web: www.entes.eu Call Center Technical Support: 0850 888 84 25 Coordinates: 40,995852 N, 29,178398 E

### INTERNATIONAL BRANCH OFFICES

ISTANBUL : contact@entes.eu Tel: +90 216 313 01 10 Fax: +90 216 314 16 15  
INDIA : contact@entes.in Tel: +91 129 - 2980004  
GREECE : contact@entes.eu Tel: +30 2310 706999 +30 2310 707296  
GERMANY : kontakt@enteselektronik.com Tel: +49(0) 7022-931992-0

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