

## DSP EVO

1 Phase In – 1 Phase Out / 6kVA – 10kVA

- Microprocessor controlled  
Online 'double conversion' technology
- High Output Power Factor (0,9)
- Input power factor correction PFC (>0,99)
- User friendly LCD display
- High Efficiency
- Wide Input Voltage & Frequency Range
- Intelligent Battery Management System
- 50/60Hz Frequency  
Converter Operation Mode
- Generator compatible
- Wide communication option  
Standard: RS-232 and USB, EPO  
Optional: SNMP, Dry contact board, Modbus
- ECO Mode operation feature
- Environment friendly



### TECHNICAL SPECIFICATIONS

	DSP EVO 6 KVA	DSP EVO 10 KVA
Output Power Factor	0.9	
<b>INPUT</b>		
Input Voltage Range	110 - 300VAC @ %50 Load 176 - 300VAC @ %100 Load	
Input Frequency Range	46Hz ~ 54 Hz @ 50Hz system 56Hz ~ 64 Hz @ 60Hz system	
Phase	1PH - N - PE	
Power Factor	≥ 0.99	
<b>OUTPUT</b>		
Output Voltage	208/220/230/240VAC	
Voltage Regulation	±2% (Online Mode), ±1% (Battery Mode)	
Frequency	46 ~ 54 Hz or 56 ~ 64 Hz (Synchronized Range)	
Frequency (@Battery Mode)	50 Hz ± 0.1% or 60Hz ± 0.1%	
Overload	ONLINE: 100%~110%: 30 minute ,110%~130%: 5 minute, >130%: 10 second BATTERY: 100%~110%: 3 minute ,110%~130%: 30 second, >130%: 10 second	
Crest Factor	3:1	
THDv	≤ 3 % THDv (linear load); ≤ 5 % THDv (non-linear load)	
Transfer Time	0 ms	
<b>EFFICIENCY</b>		
Online Mode	93%	
Battery Mode	91%	
<b>BATTERY</b>		
Internal Battery Type	12V 7Ah or 12V 9Ah	
QTY	16	
Automatic Battery Test	PRESENT (@ start-up, 1/per week)	
Charge Time	9 hour 90% capacity (Typical)	
Charge Current	1A, 2A, 4A and max: 6A (adjustable) (for 16pcs battery: max 6A)	
Charge Voltage	218.4V ± 1%	
<b>PHYSICAL</b>		
Dimensions W x D x H (mm)	369 x 190 x 688	442 x 190 x 688
Weight (kg)	61	66
<b>ENVIRONMENTAL</b>		
Humidity	0- 95% RH (non-condensing)	
Temperature	0 to 40°C (20 to 25 recomended for longer battery life time)	
Noise Level (1m distance)	<55dBA	<58dBA
<b>COMMUNICATION</b>		
Standard	RS-232 and USB, EPO	
Optional	SNMP, Dry Contact, Modbus	