

DSP EVO UPS

SECURITY GUARANTEE

- On-Line "Double Conversion" Technology
- 1 Phase Input - 1 Phase Output
- 6kVA - 10kVA



P.F: 0.9

High Output Power Factor (0,9)

LCD

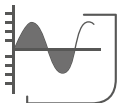
User friendly LCD display



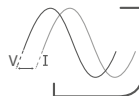
High Efficiency



Wide Input Voltage & Frequency Range



Microprocessor controlled
Online 'double conversion' technology



Input power factor correction PFC (>0,99)



Intelligent Battery Management System
Extended back up time with battery cabinet



Wide communication option
Standard: RS-232 and USB, EPO
Optional: SNMP, Dry contact board, Modbus

50Hz~60Hz

50/60Hz Frequency
Converter Operation Mode



Environmental friendly



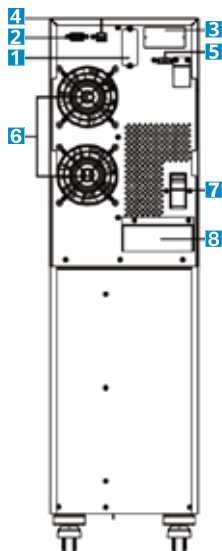
Generator compatible



ECO Mode operation feature

DSP EVO Series Specifications

MODEL	DSP EVO 6 KVA	DSP EVO 10 KVA
Output Power Factor	0.9	
INPUT		
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	
OUTPUT		
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	
EFFICIENCY		
Online Mode	93%	
Battery Mode	91%	
BATTERY		
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)	
External Battery	Connector Optional	
Charge Current	1A, 2A, 4A and max: 6A (adjustable) (for 16pcs battery: max 6A)	
Charge Voltage	218.4V ± 1%	
PHYSICAL		
Dimensions W x D x H (mm)	369 x 190 x 688	442 x 190 x 688
Weight (kg)	61	66
ENVIRONMENTAL		
Humidity	0- 95 % RH (non-condensing)	
Temperature	0 to 40°C (20 to 25 recommended for longer battery life time)	
Noise Level (1m distance)	<55dBA	<58dBA
COMMUNICATION		
Standard	RS-232 and USB, EPO	
Optional	SNMP, Dry Contact, Modbus	



1. External battery connector
2. RS-232 communication port
3. Intelligent slot
4. USB communication
5. Emergency power off function connector (EPO connector)
6. Cooling fan
7. Input circuit breaker
8. Input/Output terminal