

DSP EVO

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

- On-Line Double Conversion Technology
- Microprocessor controlled
- High Output Power Factor (PF:0.9)
- Extended back up time with battery cabinet
- User friendly LCD display
- High Efficiency
- Wide Input Voltage & Frequency Range
- 3-stage smart battery charging method, automatic Battery Test mode
- Adjustable Battery voltage and charging current
- Cold Start Function
- Wide communication option
Standard: USB, RS-232, EPO
Optional: SNMP &, Relay card
- Load-controlled fan feature
- Frequency Converter Operation Mode (50-60Hz)
- ECO Mode operation feature
- Environment friendly



TECHNICAL SPECIFICATIONS

MODEL	DSP EVO 6K	DSP EVO 10K
Capacity [kVA/kW]	6kVA/5.4kW	10kVA/9kW
INPUT		
Phase	1Ph+N+PE	
Nominal Voltage	220/230/240VAC	
Input Voltage Range*	120VAC-276VAC	
Nominal Frequency	50/60 Hz [Auto-sensing]	
Frequency Range	45Hz-65Hz	
Power Factor	≥0.99	
Input Current Harmonics (THDi)	≤5% (100% linear load, input THDv≤1%)	
Bypass Voltage Range	220Vac max:+25% (+10%, +15%, 20%, 25%), 230Vac max: +20% (+10%, +15%, 20%) 240Vac max: +15% (+10%, +15%), min: default -45% (-20%, -30%, -45%,)	
Generator Input	Present	
OUTPUT		
Phase	1Ph+N+PE	
Nominal Voltage	220/230/240VAC	
Power Factor	0.9	
Voltage Regulation	±1%	
Frequency	50/60Hz / (±0.1%)	
Crest Factor	3:1	
Output Voltage Harmonic (THDv)	≤3% @ linear load, ≤5% @ non linear load	
Waveform	Pure Sinewave	
Efficiency**	≥90%	
BATTERY		
Battery Number	16/18/20 pcs [Adjustable]	
Internal Battery	20 x 12V 7Ah [Built-in as standard]	
Battery Type	VRLA	
Standard Charge Current	1A	
Charge Current (Max.)	6A [Adjustable]	
Charge Time (90%)	8-10 Hr. [Adjustable]	
Transfer Time	Online Mode-Battery Mode: 0ms; Online Mode-Bypass: 0ms	
PROTECTION		
Overload	105% ~ 110% 10 min. 110% ~ 130% 1 min. >130% switch to bypass immediately	
Short Circuit	System stops	
Over Temperature	Online Mode: switches to Bypass; Battery Mode: UPS shuts down immediately	
Battery Low	Alarm and Shutdown	
Self-Test	Software testing at startup	
EPO	UPS shuts down immediately	
Battery	Advanced Battery Management	
ALARMS		
Audible and Visual Alarms	Input fault, Low Battery, Overload, System fault	
DISPLAY		
Status LED & LCD	Online Mode, Battery Mode, Eco Mode, Bypass Mode, Battery Low, Battery Bad, Overload & UPS Failure	
LCD	Input Voltage, Input Frequency, Output Voltage, Output Frequency, Load %, Battery Voltage, Internal Temperature and Ambient Temperature	
PHYSICAL		
Dimensions - WxHxD (mm)	191x720x460	
Net Weight (kg)	60	61
COMMUNICATION***		
	Standard:USB, RS232, EPO, Optional: SNMP and Relay card	
ENVIRONMENT		
Operating / Storage Temperature	0°C ~ +40°C / -25°C ~ +55°C	
Humidity	0 - 95% (non-condensing)	
Altitude	< 1500m	
Noise Level (1m distance)	<55dB (@1 mt)	
STANDARDS		
	CE, EN/IEC 62040-1-1, EN/IEC 62040-2	

* Depends on the power rating and the amount of load at the output of UPS.

** It depends on UPS power and environmental conditions.

***Please contact to your sales representative for communication options.