

# EC30S Series- Variable Frequency Control Units

## Variable Frequency Control Units

The EC30S series for use regular parts feeders for conveyance of parts of all size. Frequencies are easily set and no need to leaf spring adjustment. Simple set up, the variable frequency control units are reliable and precise controls parts feeder regardless of the power frequency.

## Features

- Frequencies are easily set and no need for leaf spring adjustment.
- Constant amplitude to provide stable power with higher accuracy.
- Automatically detect input power 110VAC or 220VAC.
- Automatically corrects the variation in supply voltage.
- Capable of controlling a wide range of regular parts feeders.
- Simple operate, highly precise and reliable.



## Specifications

Model	EC30-1SF	EC30-3SF	EC30-3SFEF	EC30-5SFEF
<b>Input</b>	Power source AC110/220V ±10% 50/60Hz Auto Detect			
<b>Output</b>	Voltage 0~98V (110V input power system) 0~210V (220V input power system)			
	Frequency Half wave: 45~90Hz Full wave: 90~180Hz (EC30-3.5,DF,DFEF) Half wave 45~125Hz Full wave 125~250Hz (EC30-1SF)			
	1A	3A	3A	5A
<b>Control mode</b>	Control type PMW			
<b>Operation mode</b>	Constant amplitude The constant amplitude control at the preset drive frequency			
<b>Additional function</b>	Run/stop operation An external signal runs or stops the parts feeder			
	Output signal The control unit outputs a synchronous signal with running and stopping of the parts feeder			
	Soft start Ramp-up time 0.2 ~ 4.0 seconds			
	On and off delay Delay time 0.2 ~ 4.0 seconds			
	Power for sensor With a 3 cored socket plug DC12V, max 80mA			
<b>Synchronous power output</b>	Function Power output synchronous with the parts feeder operation			
	Control method Run/stop with a power switch			
	Voltage Same as power source			
	Maximum current 2A			
	Noise resistance Above 1000V			
	Ambient temperature 0~40°			
<b>Application conditions</b>	Ambient humidity 10~90% (no condensation)			
	Case color Gray (HTC specify)			
	44W x 171H x 140D	60W x 171H x 140D	60W x 171H x 140D	120W x 171H x 140D
	1.0kg	1.2kg	1.2kg	2.6kg