

## 5KW Turgo Turbine Generator

**Water Head : 28 ~30 meter, Water Flow : 15~ 25 liter/sec**

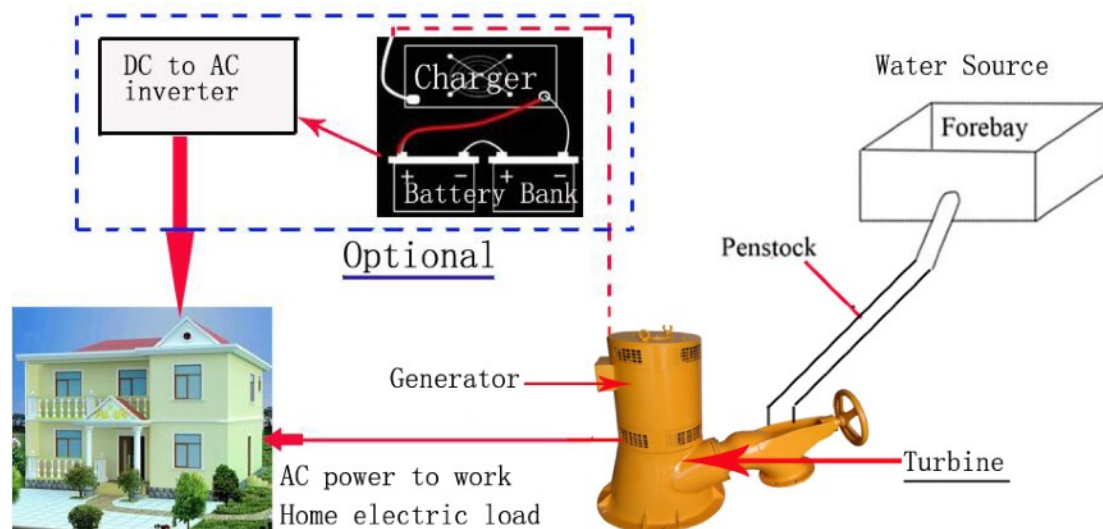
XJA-L-15/1X5 is a Turgo turbine whose small size and light weight allows it to be installed virtually anywhere. It is the perfect hydro turbine for slow moving rivers and streams. Small, natural waterfalls or dams provide the ideal setting for the XJA-L-15/1X5.

Water is collected upstream from the turbine and channeled in a pipe down to the turbine location. At the turbine, the water passes through a nozzle, where it accelerates, strike the turbine runner, and turn a AC single-phase Synchronous alternator. Output voltage and frequency are controlled by the built-in auto voltage regulator(AVR).

**Suitable for AC direct system or battery-based off-grid system or battery-less grid tie**

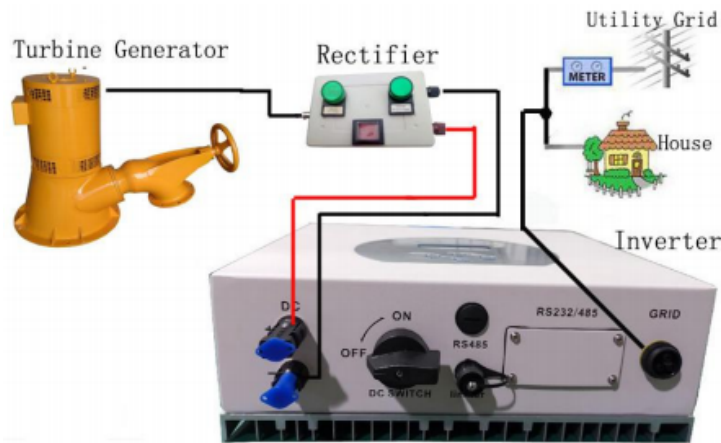
XJA-L-15/1X5 offers:

1.A AC direct off grid system with integral turgo turbine, generator and valve flow control. Designed to deliver ready-to-use 230V/380V AC power, it employs a synchronous generator and therefore has a higher efficiency than ordinary generator. Output voltage and frequency are controlled by built-in auto voltage regulator(AVR).



2) A battery based off grid system, the generated power is used to charge a battery bank. It charges batteries 24 hours a day and the power can be drawn from the battery as needed.

3) A battery-less grid tie system.



<b>Turbine</b>	
Model	XJA-L-15/1X5
Type of turbine	Turgo
Rated Head	28~30m
Rated Flow	15~25 liter/s
Diameter of penstock	150mm
Power	5KW
Efficiency	90%
<b>Generator</b>	
Model	SF5-6
Rated Power	5KW
Rated Voltage	230V
Rated Current	22A
FQCY	50 Hz
Rated speed	1500 r/min
Phase	Single Phase
Protection Grade	IP44
Ambient Temperature	-25°C ~ +50°C
<b>Control Panel</b>	
Safety Protection	Short circuit,Over load,Over voltage
Packing Size/Weight	130*100*112 (CM)      180KG

