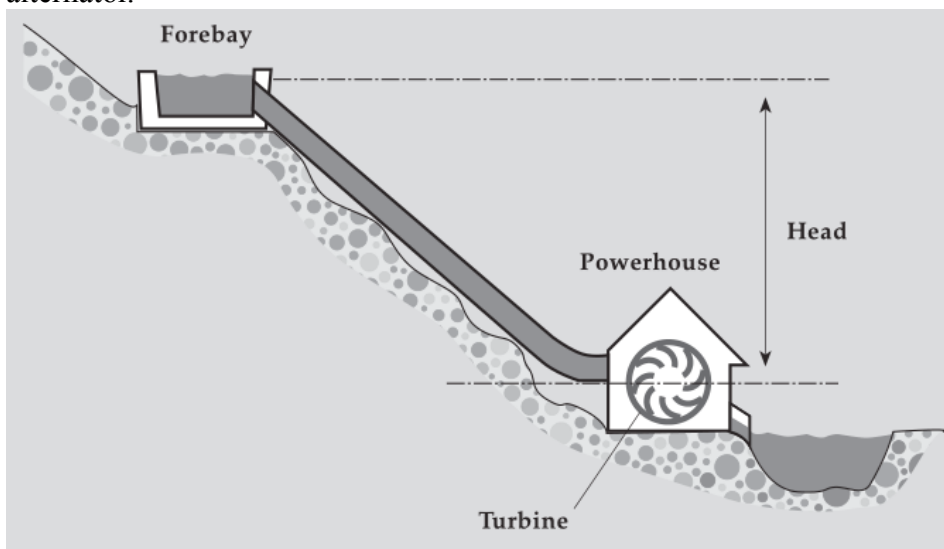


Sunnytek Solar Sweden AB

500W Micro Hydroelectric Generator

Water Head : 25~28 meter, Water Flow : 2~3 liter/sec

ST25-0.5DCT4-Z is a AC direct systems consist of a Pelton-generator unit producing AC power which is used as needed. That is, it is fed directly to the appliances. No need of battery and inverter, T25-0.5DCT4-Z offers a complete water to wire system with integral turgo turbine, generator and electric load control. Designed to deliver ready-to-use 115V/230V VAC power, it employs a brushless, Synchronous Alternator and has a higher efficiency than ordinary alternator.



Output voltage and frequency are controlled by the electronic load controller(with ballast). As little as 3 liter per second (l/s) falling 25~28 meter through a pipe, it can supply enough power to comfortably run a small household. This machine is compact, easy to install and requires little maintenance except lubricating the bearing every few months.



Turbine	
Model	ST25-0.5DCT4-Z
Turbine type	Turgo
Rated Head	25m
Rated Flow	2~3l/s
Diameter of penstock	50mm
Power	0.5KW
Efficiency	70%
Generator	
Model	0.5DCT4-Z
Rated Power	0.5KW
Rated Voltage	230V
Rated Current	2A
FQCY	50 Hz
Rated speed	1500 r/min
Phase	1
P.F.	1.0
Altitude	≤3000m
Insulation Grade	B/B
Protection Grade	IP44
Ambient Temperature	-25°C ~ +50°C
Relative Humidity	≤90%
Control Panel	
Safety Protection	Short circuit, Over load,Overvoltage
Standard	the IEC international electrician committee standard
Packing Size	40 x 34 x 40 cm