



LINGENHÖLE TECHNOLOGIE

Vorarlberger Wärmebehandlungszentrum  
Mechanische Komponenten  
Wasserkraftwerke - Turbinenbau

[www.lingenhoele.at](http://www.lingenhoele.at)



## Charge Controller\*\* – Energy System Manager KT100/KT340/KT1000 (100-1000Watt)

### Charge Controller\*\*

#### Charge controller- Energy System Manager

The Pico power plants are often operated in combination with an energy buffer (battery\*\*).  
A suitable charge controller is required for this application.

#### There are two possible versions:

**1) When there is a sufficient supply of water:**

As soon as the battery is saturated, the excess energy will be heated via a resistor. Air space heating or water boiler heating is possible. This measure prevents the turbine from spinning up and thus significantly extends the service life of the bearings.

**2) When the water supply is low:**

As soon as the battery is saturated, an electric ball valve\*\* is closed via the Energy System Manager. If the battery demands energy again, the electric ball valves will be opened again.

The first version is the cheaper option!

A suitable inverter\*\* can be connected after the battery to provide a 230 volt supply network.



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\*\* Additional items; can be purchased from us.