



**LORENTZ** 

## Solar Water Pumping



### **Simple**

Really easy to install

### **Reliable**

Beyond the power lines

### **Economic**

No fuel or electricity costs

### **Efficient**

Pump the most when needed most

### **Great Ability**

Pump up to 240 meter and up to 70m<sup>3</sup>/day

### **Long Life Expectancy**

High resistance to sand and corrosion

### **Easy Maintenance**

Simple access and no moveable parts

### **Green**

No emissions



## SUBMERSIBLE PUMP TYPES AND CAPABILITIES

Pump Type	Solar PV Power (W)	Max. Lift (m)	Max Pumping Volume (m <sup>3</sup> /h)
PS 150 C	65-450	22	5
PS 200 HR/C	80-300	50	2.7
PS 600 HR/C	300-900	180	11
PS 600 Badutop Pool Pump	300-600	14	15
PS 1200 HR/C	350-1200	240	21
PS 1800 C	700-2500	50	22
PS 4000	5000	170	70
PSk Series	P9k=7500 P15k=11000	150	63

**PS 150**



**PS 200**



**PS 600**



**PS 1200**



**PS 600 Badutop**



**PS 1800**



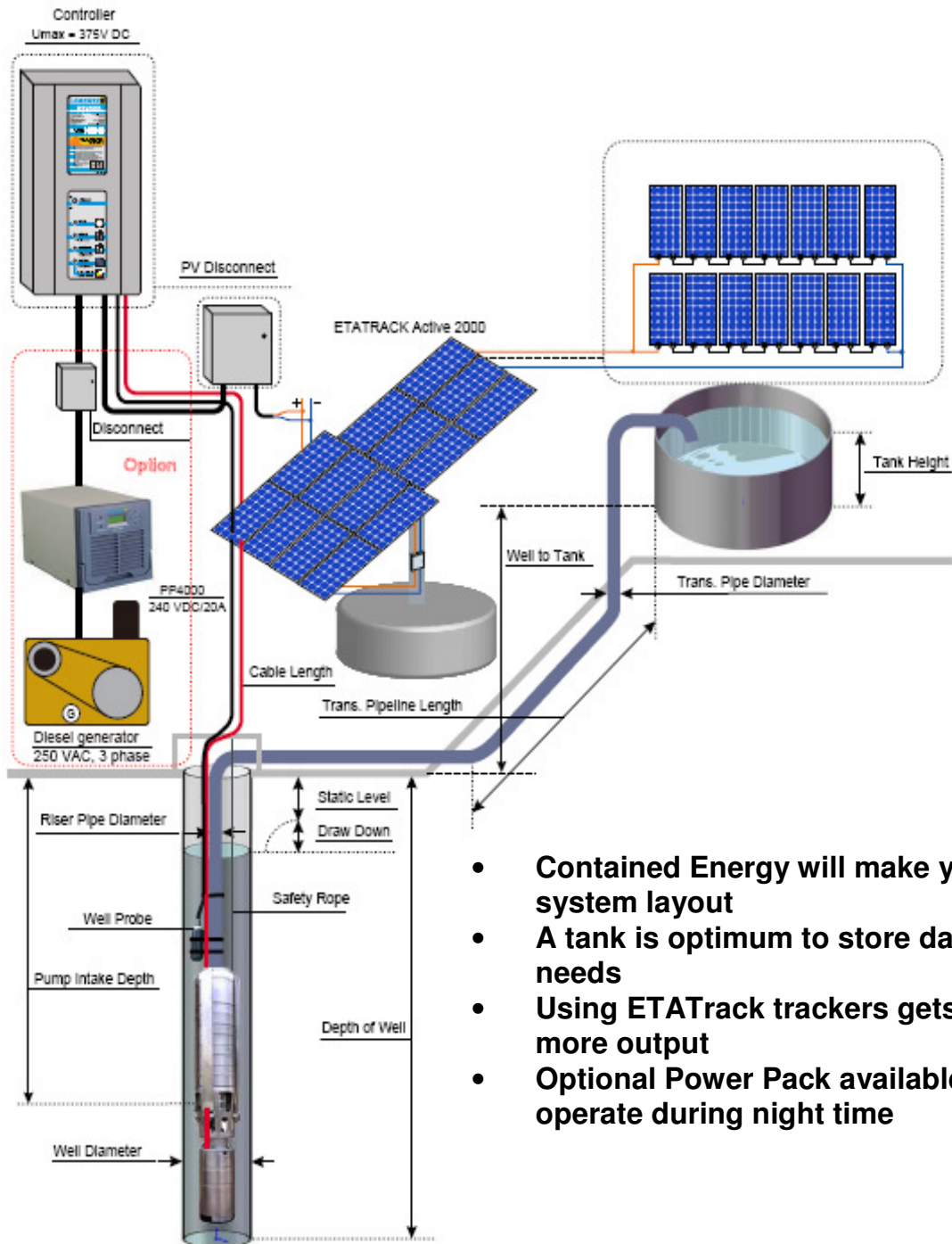
**PS 4000**



**PSk Series**



# TYPICAL INSTALLATION LAYOUT



- Contained Energy will make your system layout
- A tank is optimum to store daily water needs
- Using ETATrack trackers gets 40% more output
- Optional Power Pack available to operate during night time



## CONTAINED ENERGY SOLAR PUMPING PROJECT LIST

Our experience: over 50 solar pumping systems

- Solar water pumping for CARE, Aceh
- Solar water pumping for THW, Aceh
- Solar water pumping for World Vision in Aceh
- Solar water pumping for World Vision in Timor
- Solar water pumping for IOM, Muara Batu, Aceh  
Pumps 20 m<sup>3</sup>/day using PS600 and 18 x 50 Wp PV panels
- Solar water pumping for CHF, Aceh  
Pasar Peunayung: Pumps 9 m<sup>3</sup>/day using PS200 and 6 x 50 Wp PV panels  
Pulot: Pumps 8 m<sup>3</sup>/day using PS200 and 6 X 50 Wp PV panels  
Meunasah Teungoh: Pumps 20 m<sup>3</sup>/day using PS600 and 18 X 50 Wp PV panels  
Meunasah Rayeuk: Pumps 19 m<sup>3</sup>/day using PS600 and 18 X 50 Wp PV panels  
Meunasah Tutong: Pumps 21 m<sup>3</sup>/day using PS600 and 18 X 50 Wp PV panels  
Krung Tunong: Pumps 18 m<sup>3</sup>/day using PS600 and 18 X 50 Wp PV panels  
Rumpet villages-Lamno: Pumps 20 m<sup>3</sup>/day using PS600 and 18 X 50 Wp PV panels
- Solar water pumping for CHF, Bantul, Jogjakarta
  1. Pumps 15 m<sup>3</sup>/day using PS600 and 6 X 50 Wp PV panels
  2. Pumps 15 m<sup>3</sup>/day using PS600 and 6 X 50 Wp PV panels
  3. Pumps 28 m<sup>3</sup>/day using PS1200 and PV panels
- Solar water pumping in Jayapura  
Pumps 2-5 m<sup>3</sup>/day using PS200 and 2 X 50 Wp PV panels
- Solar water pumping in Bangka : Public School  
Pumps 3-5 m<sup>3</sup>/day using PS200 and 3 X 64 Wp PV panels
- Solar water pumping in Bangka : Public Hospital  
Pumps 10-12 m<sup>3</sup>/day using PS600 and 8 X 64 Wp PV panels
- Solar water pumping in Bangka : Lake Supply  
Pumps 20-23 m<sup>3</sup>/day using 2 X PS600 and 10 X 64 Wp PV panels
- Solar powered Reverse Osmosis system for Nusa Penida Government project
- Solar Water pumping in Riau
  1. Pumps 20 m<sup>3</sup>/day using PS1200 and 21 X 50 Wp PV panels
  2. Pumps 40 m<sup>3</sup>/day using PS1800 and 42 X 50 Wp PV panels
- And many more