

SOLAR PILE DRIVER

The increase in the demand for solar energy in recent years and the rapid growth in the sector have created the need for speed and precision in the installation of solar energy systems. TIMAK has developed solar pile drivers to meet this need in the sector. It is specially designed to be operated in large solar panel fields as easy to use, fast, high precision.



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Solar pile driver is a machine used to drive poles into the ground to lay foundation for the solar panel. The vibrating hammer on the vertically movable guides is driven by hydraulic motors powered by the diesel engine on the machine. Vertical vibrations are transmitted to the pile and driving into ground is performed, while horizontal vibrations are damped to ensure stable operation of the machine.

Solar Pile Driver Standard Equipment

Vtrack Rubber Tracks

Hydraulic Hammer, (Working Weight 490 kg,1060 Joule,500-900 beats/min)

DEUTZ diesel engine, air cooled,3 cylinders, 34 kW (HP 45.6) @2800rpm

Proportional command trough 8 levels

Hydraulic oil tank capacity 80 lt and level indicator

Hydraulic oil heat exchanger

Diesel oil tank capacity 80 lt and level indicator

Maximum post dimension 160x120 mm

Column inclination both transverse and longitudinal +/- 15

Maximum Post Height 3.9m

Grappling hooks for machine loading and unloading

Auxiliary coupling for attachments

Hook for pile extraction

Weight 3.7 ton

Transport dimensions 3.4x 2.0x 1.9

Optional Equipment

Automatic leveling the column

Earth Auger Driller

Kubota liquid cooled diesel engine, 4 cylinders, 35.9 kW (HP48.1)@2800 rpm

Rock Driller

Steel Tracks

Hydraulic front blade for levelling or track cutting

DURABLE. EFFICIENT.

Production Stage

The production stage of a solar pile driver involves the manufacturing and assembly of the components that make up the machine. This includes the hydraulic system, solar panel system, and other parts needed for the pile driving process.

The components are carefully designed, tested, and inspected to ensure that they meet the necessary specifications and requirements for the machine.



Once the components are manufactured and assembled, the solar pile driver undergoes a series of rigorous tests to ensure that it is functioning properly and is safe to use. Once the machine passes all the necessary tests, it is ready for use in construction projects that require pile driving.



TIMAK SOLAR PILE DRIVER CHILE, SOUTH AMERICA.



The company reserves the right to change the vehicle specifications and features described in this publication at any time. Vehicle specifications and features may vary in different markets. Images are for illustrative purposes only and may appear different to the actual vehicle.

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