



TZ535

太阳能打桩机

Solar Pile Driver



TeZhong Machinery

安徽特众机械科技有限公司

专为光伏发电场建设而设计

Designed for photovoltaic power plant construction

用于打桩 | 拧地钉 | 螺旋钻 | 冲击钻

For Ground Screw pile installation | Auger drilling |

DTH drilling



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TZ535 Crawler Solar Pile Driver

Item	Value
Ground screw pile driving height	4000 mm
DTH drilling depth	4000 mm
Auger drilling depth	4000 mm
drilling diameter	90-400 (mm)
Work dimensions (L ×W × H)	5700×1980×2500 (mm)
Operating weight	5000 Kg
Main Hydraulic Pump Type	gear pump
Displacement of Gear Pump	40+40+20
Output Pressure of Main Hydraulic Pump	20MPa
Rated power	92 KW
Rated Speed	2100r/min
Travel Speed	0-2.5KM/h
Climbing ability	≤30°
Drilling angle (right and left)	±15°
Power Head	8000N*m
Hydraulic Oil Heat Exchanger	Integrated One-Piece Radiator
Hydraulic oil tank capacity	150 L
Recommended Hydraulic Oil Type	46#
Fuel tank capacity	120L



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01 油缸 Cylinder

变幅气缸可以摆动 15°。

The luffing cylinder can sway by 15°.

最大向前倾斜角度为 100°。

The MAX.forward tilt angle is 100°.

垂直角度可根据地面进行调整。

The vertical angle can be adjusted according to the ground.

02 桅杆 Mast

桅杆采用一体式 H 型结构，以增强强度和稳定性，能够承受大直径钻孔所需的高扭矩。

The mast has a one-piece H-shaped structure for enhanced strength and stability, resisting high torque needed for large-diameter hole drilling.

有效行程4米，能够安装 4 米长的螺旋桩，并可钻孔至 4 米深。

With a 4m effective travel, it enables 4m screw pile installation and drilling up to 4m deep holes.



03 旋转头 Rotary Head

最大扭矩为7000Nm。

The maximum torque is 7000Nm.

潜孔钻孔和螺旋钻孔的直径可达400mm。

The diameter of DTH drilling and auger drilling can reach 400mm.



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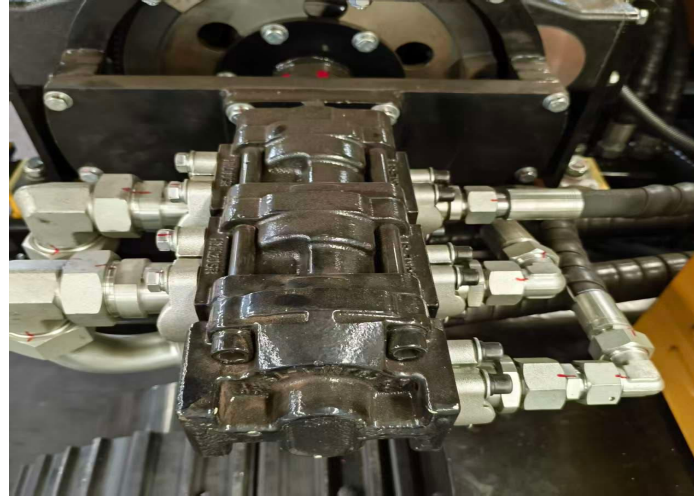
04 发动机 Engine

由 92 KW 玉柴柴油发动机提供动力，支持定制发动机。

Powered by a 92 KW YuChai diesel engine, with support for custom engines.

冷却系统配备了经过特殊加大设计的主散热器，外加一个辅助散热器，以实现更快的散热效果，确保设备能在 + 50°C (50 摄氏度) 的环境下正常运行。

The cooling system has a specially enlarged radiator plus auxiliary one for faster heat dissipation, enabling operation at +50°C.



05 三联泵 Triple Pump

三联泵系统使 TZ535 型太阳能钻机能够执行复杂作业。
The triple pump system enables the TZ535 solar drilling rig to perform complex operations.

平行流可以增加流向旋转头的液压流量，加快钻进速度。
Parallel flow can increase hydraulic flow to the rotary head, accelerating drilling speed.



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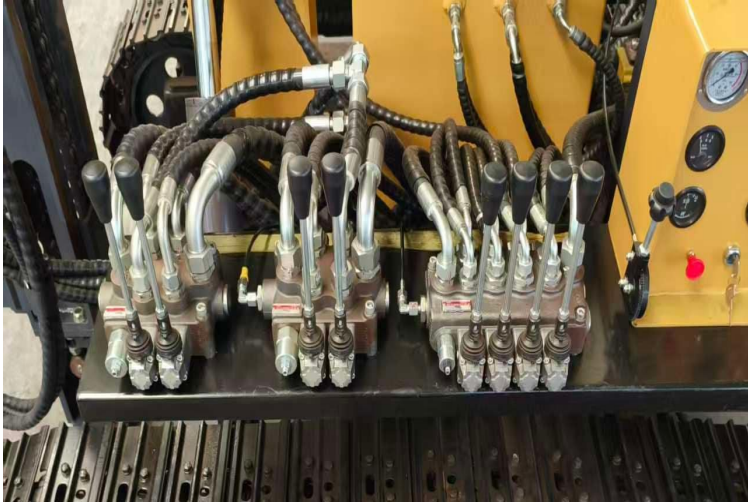


06 履带 Track

每条轨道宽 300 毫米，长 2300 毫米，高 500 毫米。
Each track is 300 mm width, 2300 mm length, and 500 mm high.

这些精确的测量使其能够舒适地应对最困难的地形。
These precise measurements enables it to comfortably tackle the most difficult terrain.

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07 集成控制台 Integrated Operation

集成控制台使一个人能够完成所有作。
The integrated console enables one person to complete all operations.

各种仪器监控太阳能钻机的实时运行状态，使作人员能够及时调整。
Various instruments monitor the solar drilling machine's real-time running status, enabling timely operator adjustments.



08 柴油箱 Diesel Tank

容量：120L
Capacity: 120L

防爆树脂柴油罐具有防爆性能好、重量轻、耐腐蚀、耐冲击、绝缘性好等优点。
Explosion-proof resin diesel tanks have the advantages of good explosion-proof performance, light weight, corrosion resistance, impact resistance, and good insulation.



09 液压油箱 Hydraulic Oil Tank

容量：150 L。
Capacity: 150 L

液压油箱采用通气阀，保持液压油清洁，保持油箱内压力稳定，安全性显著增强。
The hydraulic oil tank uses a breather valve, which keeps hydraulic oil clean, maintains stable internal tank pressure, and significantly enhances safety.
此外，进油过滤器进一步延长了液压油的使用寿命。
In addition, an oil inlet filter further extends hydraulic oil service life.



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