

TZ650

履带式智能太阳能打桩机

Crawler type intelligent solar pile driver



UTC



TeZhong Machinery

安徽特众机械科技有限公司

这款智能太阳能打桩机配备了自动控制系统, GPS, RTK系统和自动调平系统。

This intelligent Solar pile driver is equipped with an automatic control system, a GPS ,RTK system, and an automatic leveling system.

设备使用领域:

1. 专为光伏发电场建设而设计用于打桩，拔桩，拧地钉，螺旋钻。
2. 高速公路护栏钻孔，打桩，拔桩。
3. 其他各种场地的打桩（如农场，牧场，果园，车棚）等。

Application field:

1. Designed for photovoltaic power plant construction for Piling, Pulling, Screw pile driving, Auger drilling.
2. Highway guardrails installation, piling, pulling piles and drilling holes.
3. Piling in various other sites (such as farms, pastures, orchards, carports, etc.).

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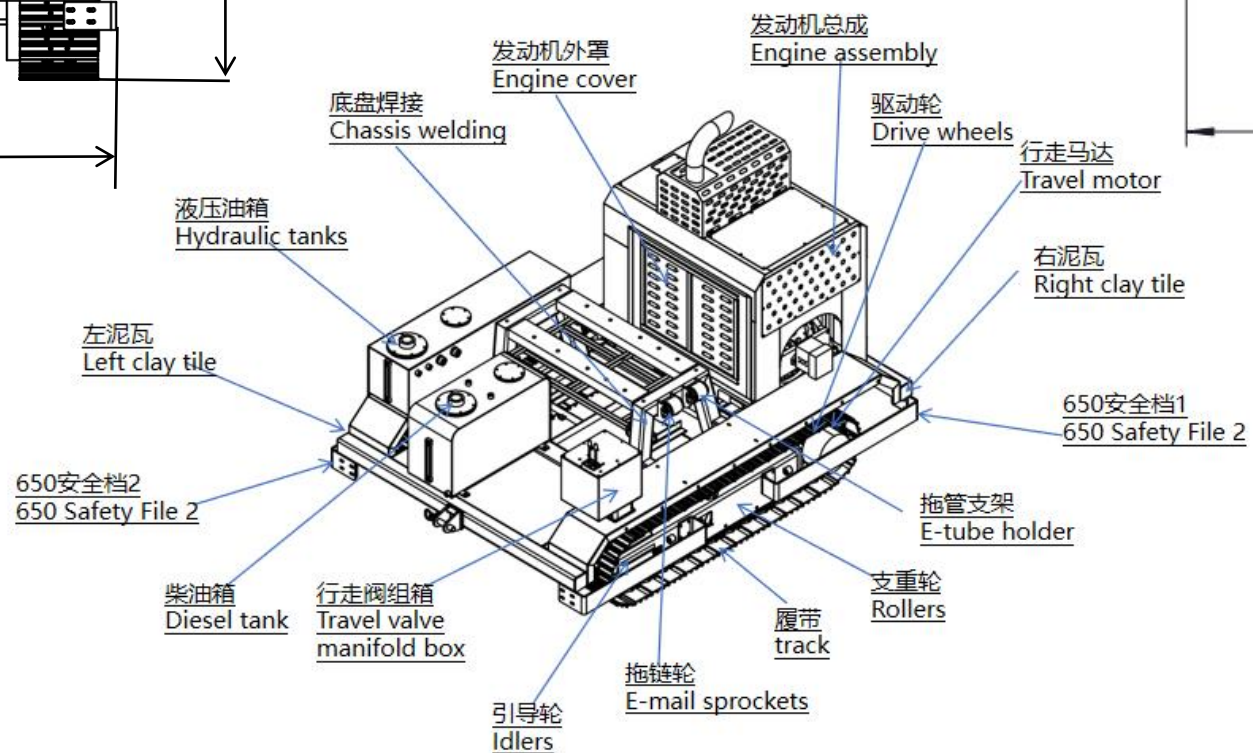
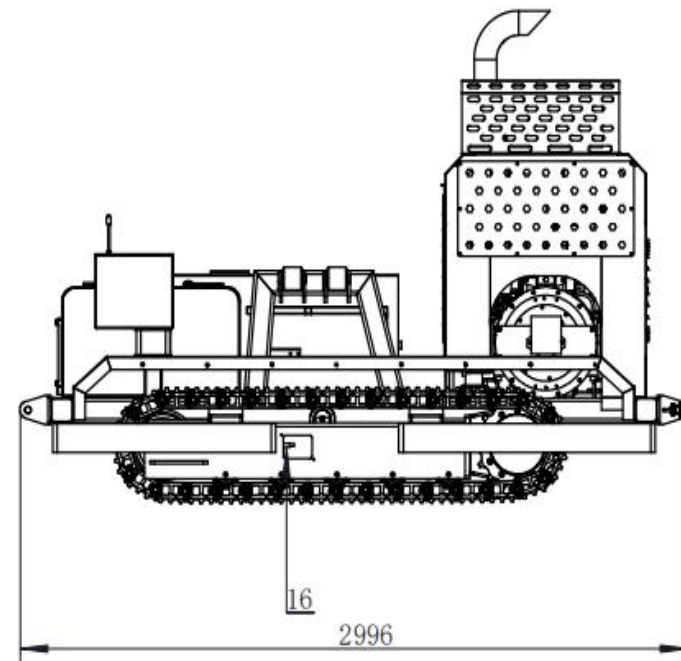
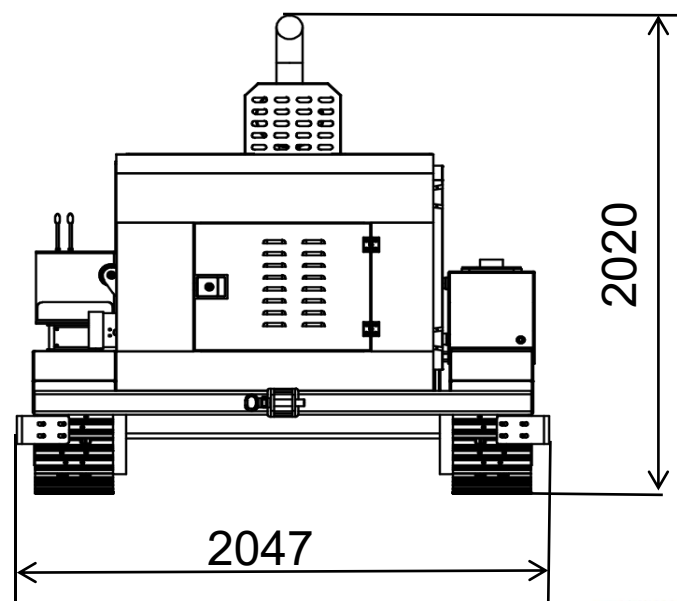
TZ650智能打桩机主要技术参数
TZ650 Intelligent pile driver technical parameters

项目 Item	单位 Unit	数值 Value
打桩高度 Piling height	mm	3500
钻孔深度 Drilling depth	mm	3500
工作状态外形尺寸 (长×宽×高) Work dimensions (L ×W × H)	mm	2900×2550×2950
运输状态外形尺寸 (长×宽×高) Transport dimensions (L×W× H)	mm	3000×2600×3000
整车重量 Operating weight	Kg	5000
履带板宽度 Track plate width	mm	300
履带传动比 Track drive ratio	/	1:53
爬坡能力 Climbing ability	°	±18
发动机品牌 Engine brand	/	康明斯 Cummins
发动机型号 Engine model number	/	4BT3.9-C100
发动机功率 Rated power	KW	75

发动机功率 Rated power	KW	75
液压油泵 Hydraulic oil pump	ml	63
液压系统压力 Hydraulic system pressure	bar	190
液压系统流量 torque of walking motor	l/min	150
行走马达扭矩 torque of walking motor	Nm	10500
行走速度 Walking speed	m/min	70/35 (双速) 70/35(Dual-speed)
液压锤流量 Hydraulic hammer flow	l/min	40-90
液压锤打击频率 Hydraulic hammer strike frequency	bpm	450-900
单次打击能量 Single impact energy	J	980
打桩倾角 (左右) Pile driving Angle (left and right)	°	±10
打桩倾角 (前后) Pile driving Angle (front and rear)	°	30-110
液压油箱 Hydraulic oil tank capacity	L	80
柴油箱 Fuel tank capacity	L	80



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信号基站和信号接收器
Signal Base Station
& Signal Receiver

可选择四种卫星系统：GPS、GLONASS、GALILEO 和北斗。
Four satellite systems can be selected: GPS, GLONASS, GALILEO, and Beidou.



传感器
Sensors

包括：
Including:
3 个长度传感器，2 个角度传感器。
3 ranging sensors, 2 attitude sensors.



智能打桩系统终端
Terminal of the
Intelligent Piling
System

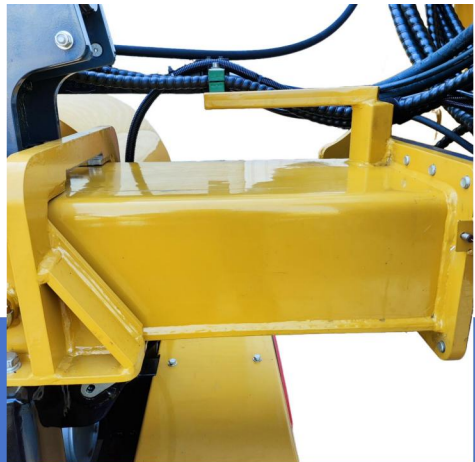
处理各种信息并将其反馈给平板电脑。
Process various kinds of information and feed it back to the tablet.



平板电脑和遥控器
Tablet and Remote
Control

1. 可在平板上设置程序，进行智能操作。
1. The program can be set on the tablet for intelligent operation.
2. 全遥控操作。
2. Full remote control operation.

TZ650



内架
Inner Frame

可以水平延伸 45 厘米。

It can extend horizontally by 45 cm.



垂直导轨
Vertical Mast

可处理的最大桩高达 4 m。

The maximum pile height that can be handled reaches 4 m.



背板
Backboard

打桩倾斜角度（左右） $\pm 10^\circ$ 。

Piling inclination angle (left and right) $\pm 10^\circ$.

打桩倾斜角度（前后） 30° -- 100° 。

Piling inclination angle (front and rear) 30° -- 100° .



履带和一体式油箱
Tracks & One-piece Oil Tank

橡胶履带用于公路建设;钢履带用于光伏施工。液压油箱自带呼吸阀;柴油箱自带双层防盗锁。

Rubber tracks are for highway construction; steel tracks for photovoltaic construction. A hydraulic oil tank with a breather valve and a diesel tank with a double-layer anti-theft lock.

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发动机
Engine

康明斯 75KW，涡轮增压发动机。
Cummins 75KW, Turbo -
charged Engine.



静音锤库
Silent Hammer
Depot

有效降低液压锤工作时产生的噪音，
使液压锤更加可靠耐用。
Effectively reduce the noise
generated when the hydraulic
hammer is in operation, and
make the hydraulic hammer
more reliable and durable.



控制杆
Control Lever

集成式操作台。
Integrated control console.
所有操作都可以由一个人完成。
All operations can be
completed by a single person.



液压油滤清器
Hydraulic Oil Filter

液压油具有两级过滤。第一阶段是在油箱中液压油的出口处；第二阶段如图所示，大大延长了液压油的使用寿命。
The hydraulic oil has a two-stage
filtration. The first stage is at the
outlet of the hydraulic oil in the
tank. The second stage is shown in
the figure, greatly prolonging the
service life of the hydraulic oil.