SOLAR PUMP INVERTER

光伏水泵专用变频器



Professional for Water Pump & Irrigation
专业用于水泵与灌溉系统

PV Direct Drive + Grid-Connected Backup
光伏直驱+市电互补

IP65户外防水 0.75-160kW
AC Pump + DC Pump

Supports Generator Connection
支持发电机接入

Shanghai Iotrunwl
Smart Technology Group Co., Ltd.
上海欧润威智控技术有限公司

iotrunwl

SOLAR PUMP INVERTER

AD100 装箱式

IP55 DC:200-750V AC:200-450V

1.5-160KW AC/DC自动识别 Auto Recognition



AD600 一体式

IP65 DC:200-750V AC:200-450V

1.5-55KW AC/DC自动切换 Auto Switch



AD601 集成式

IP65 DC:200-750V AC:200-450V

1.5-55KW AC/DC自动切换 Auto Switch

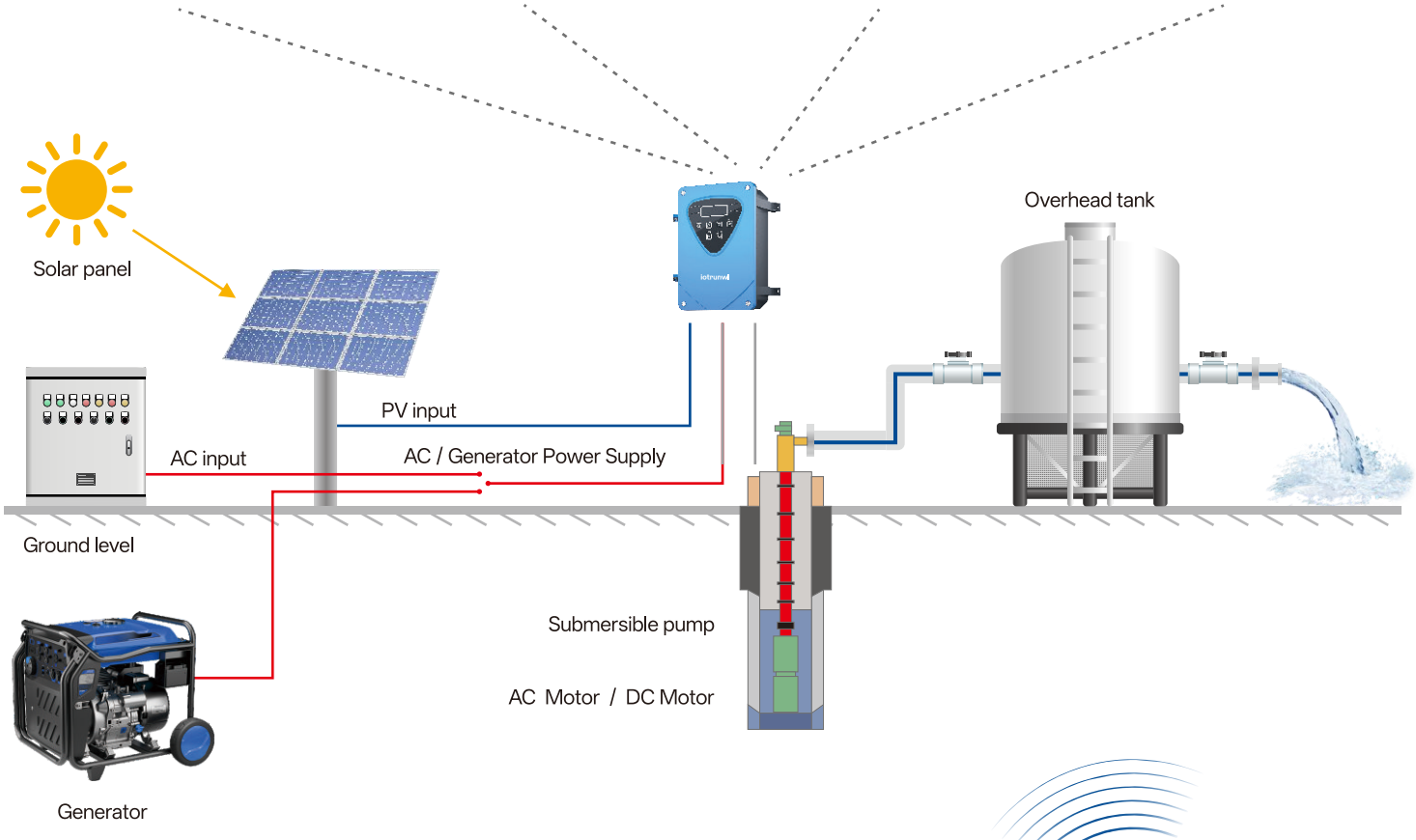


AD603 集成柜机

IP55 DC:200-750V AC:200-450V

55-280KW AC/DC自动切换 Auto Switch





- MQTT
- 4G
- wifi



Mobile APP
Centralized monitoring via PC
手机APP | 电脑PC集中监控

远程智控,随时随地尽在掌握之中。
Remote intelligent control,
always within your grasp,
anytime, anywhere.

SOLAR PUMP INVERTER

- Ultra-wide MPPT range, fast tracking
- Sandproof, Insect-Proof, Rainproof, Lightning-Proof & Anti-Jamming
- PV & Generator Dual Input
- Ultra-Wide Voltage Operation: 380V: AC 200-450V
- High temperature resistant power device, -20~+55℃ operating





Product Introduction / 产品简介

Our company is specialized in manufacturing solar pump inverters & pump special inverters with MPPT technology, widely used for agricultural irrigation, deep well water supply, livestock breeding, mountain area water supply and desert control.

本公司专业生产光伏水泵变频器及水泵专用变频器，采用先进MPPT技术，广泛应用于农业灌溉、深井供水、畜牧养殖、山区供水及沙漠治理等领域。

Core Advantages / 核心优势

- Ultra-high MPPT efficiency up to 99%
- IP55/IP65 waterproof & dustproof
- Dry-run / Overload / Overcurrent / Low voltage protection
- Wide voltage input, strong adaptability
- Auto start/stop, sleep & wake function
- AC/DC dual input, automatic switch (optional)
- Remote monitoring: GPRS / RS485 (optional)
- No battery needed, safe & long life
- Power range: 0.75kW – 110kW
- CE, IEC, RoHS certified

- 超高MPPT效率，最高达99%
- IP55/IP65防护等级，防水防尘
- 缺水/过载/过流/欠压多重保护
- 宽电压输入，适应性强
- 自动启停，休眠唤醒功能
- 交直流双输入，自动切换（选配）
- 远程监控：GPRS/RS485（选配）
- 无需电池，安全可靠，寿命长
- 功率范围：0.75kW – 160kW
- CE、IEC、RoHS认证齐全

Technical Parameters / 技术参数

MPPT Efficiency	98%–99%
Protection Class	IP55 / IP65
Input Voltage	DC 200V–750V (customizable)/ AC 200-450V
Output Voltage	220V / 380V / 450V
Power Range	0.75kW–280kW
Adapted Motor	DC Motor / AC Motor
Control Mode	Vector control
Cooling	Fan cooling / Natural cooling
Application	Deep well pump, centrifugal pump, surface pump, booster pump
Working Temperature	-20℃ ~ +55℃

MPPT效率	98%–99%
防护等级	IP55 / IP65
输入电压	直流 200V–750V（可定制）交流 200-450V
输出电压	220V / 380V / 450V
功率范围	0.75kW–280kW
适配电机	直流电机 / 交流电机
控制方式	矢量控制
冷却方式	风扇冷却 / 自然冷却
适用水泵	深井泵、离心泵、自吸泵、增压泵
工作温度	-20℃ ~ +55℃

Our Service / 我们的服务

Factory direct sales, competitive price
源头工厂，高性价比

OEM & ODM customized service
支持OEM/ODM定制服务

Project solution design support
提供项目方案设计支持

Full technical guidance & after-sales service
全程技术指导与售后服务

Stable quality & fast delivery
质量稳定，交货迅速

Small order & sample order accepted
接受小订单及样品订单

Applications / 应用场景











Core Patent / 核心专利



Zero water hammer technology
零水锤控制技术



Remote monitor technology
远程监控技术



Multi-languages display
嵌入多语言液晶显示



Pump-specific variable frequency drive
水泵专用变频器

AR Series – Dedicated for Water Supply / 供水专用

Applicable Scope: Household booster system, Commercial multi pump boosting system, Hot water circulation system, etc

AR100

Cabinet mounted dedicated variable frequency controller
装柜型专用变频控制器



Protection: IP20 level
Optional: WiFi remote monitoring
Support: 8 pumps online
Specification: 220V 0.75-11kW
380V 0.75-400kW



AR300

Commercial backpack variable frequency controller
商用背负式变频控制器



Protection: IP55 level
Optional: WiFi remote monitoring
Support: 8 pumps online
Specification: 220V 3.0-11kW
380V 3.0-22kW



AR200

Mini dedicated variable frequency controller
迷你型专用变频控制器



Protection: IP55 level
Optional: WiFi remote monitoring
Support: 8 pumps online
Specification: 110V 0.55-1.1kW
220V 0.75-2.2kW
380V 0.75-7.5kW



G5

High end backpack type variable frequency controller
高端背负式变频控制器



Protection: IP55 level
All metal high-strength shell
Multilingual LCD panel
Support: 8 pumps online
Specification: 220V 0.75-2.2kW
380V 0.75-55kW



Smart Power for Water Pumping

水泵智能驱动专家

Solar Pump Inverter · Pump Inverter · MPPT Controller

光伏水泵变频器 · 水泵变频器 · MPPT控制器用场景

iotrunwl

欢迎咨询 | Welcome Inquiry

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