

PRS150

Intelligent PV Robot Shuttle



Automatic row to row shifting

Supporting cloud WEB/APP remote management, intelligent decision plan-ning, and efficient cooperation



Remote control

Cross-row cleaning, improve the utilization rate and system cost saved



Module decoupling

Decoupling design for high scene adaptability, ultra-high standardization rate.Fully standardized tractor combined with micro customized trailer, quickly meeting different scenarios



Wireless communication

Equipped with dual wireless communication module to connect with robotdata, stable cooperation ensured



Independent self-power supply

24V high performance self-powered system, no need to take power fromthe power plant



Precision servo control

Exclusive servo motion solution for the shuttle bus industry, faster, more stable, and more precise



Multi-level safety protection

Multiple fault detection and response strategy,equipped with anti-skid andwindproof mechanism.



High environment resistance level

IP65 water and dust protection and C4 anti corrosion protection, designedfor harsh operation environment



Convenient operation and maintenance

High performance system, strong adaptability, modular design, low failurerate and easy maintenance



General and mechanical

Dimensions (cm)	60 L x 44.2 W x 106 H
Weight	63±1 kg
Running speed	18 m/min
Max. round-trip distance	1500 m
Wind speed resistance(cleaning)	15m/s
Wind speed resistance(docking)	55m/s
Max ambient temp. (cleaning)	-20°C ~ 60°C
Max. ambient temp. (docking)	-30°C ~ 65°C
Relative humidity	0 ~ 95% non-condensing
Ingress protection	IP65
Power supply	Self-powered

Adaptive capability

Max. climb angle	4°
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Communication and management

Network tpye	RS485 + Lora/LoraWAN + LTE + Bluetooth
Protocol	ModBus
Monitoring terminal	Web + APP
Control modes	Auto + local + remote

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