



KWUNPHI



B30M2

KWUNPHI —

The Advocator of High Standard Clean Quality

Dry Brushing	Project	Water Washing
0~20°	PV panel Angle*	0~15°
-20~80℃	PV panel Surface Temp.	0~80℃
-20~50℃	Environment Temp. ★	0~50℃
40mm	PV panel Gap	40mm
30mm	PV Height Difference	25mm
water Washing Angle	Rainfall	25~50 mm Light rain
62~74 km/h Fresh Gale	Wind Power	29~38 km/h Fresh Breeze
IP 55	IP Rating	IP 55

* PV panel angle data ultimately depends on the characteristics of the contaminant.

(★ Shenzhen Kwunphi reserves the right to interpret the data)

Kwun B30M2 Technical Specification

Technology	Based on TianyunOS Operating System	
	Based on Glass vSLAM Visual Navigation Technology	
	Based on Goodzenn Path Planning Technology	
	Based on Ai-KWUN Operating Platform	
	Based on OTA-KWUN Operating Platform	
Life & Endurance	Design Life:	6 years
	Warranty(whichever comes first):	2 years or 4800 hours
	Battery Capacity:	15Ah
	The Battery Life*:	3 hours
	Charging Time:	3 hours
	8 Hours Battery Life:	Replace The Battery Every 3 hours
Ability to Clean	Dust (adhesion $\leq 10^{-6}\text{N}$) :	$\geq 99\%$
	Dust Accumulation (adhesion $\leq 10^{-4}\text{N}$) :	$\geq 95\%$
	Dried Guano (adhesion $\leq 10^{-2}\text{N}$):	$\geq 85\%$
	Cleaning Efficiency:	$\geq 650\text{m}^2/\text{h}$
Shape	Body Size* (without brushes):	650*560*250mm
	Body Weight* (without brushes):	25.6kg
	Brush* (detachable):	7.2kg (B type); 7.6kg (C type)
	Brush and Water Branch*:	8.3kg (B type); 8.7kg (C type)
	Brush Length*:	1235mm (B type); 1405mm (C type)
Manipulation	Maximum of Single Control:	24 sets
	Roof RECO Maximum Number Operate:	4 sets
	RECO Maximum Number Operate on Slopes:	4 sets
	Software Upgrade:	OTA
	Work at Night	Yes
	View Logs in Real Time:	Yes
	UAV Retraction:	Yes
	Unmanned on Approach Bridge:	Yes
	APP Control Remotely:	Yes
	Close Distance Remote Control* (Optional):	Yes
	Breakpoint Continuation:	Yes
	Adjust the Brush Speed:	Yes
	Rated Brush Speed:	145r/min
Security	Working Mode:	Autonomous Work; Mobile APP
	Positioning Mode:	AI Semantic Vision
	Positioning Accuracy:	$\leq 10\text{mm}$
	Steering Mode :	High Precision Adsorption Steering Mechanism
	Anti-fall Protection :	AI Semantic Vision + Ultrasonic
	Anti-skid :	Track Self-cleaning + High Precision Deviation Correction Algorithm
	Protection Rate :	IP65
	Security :	10000 Cycles without Microcrack

* Battery life may vary due to different situation, loads, battery consumptions and other factors.

* Weight and size of robots may vary slightly due to the change of suppliers.

* The optional functions must be completed before leaving the factory, return to the factory to install parts will also charge the corresponding cost of hours, parts and express fees.

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