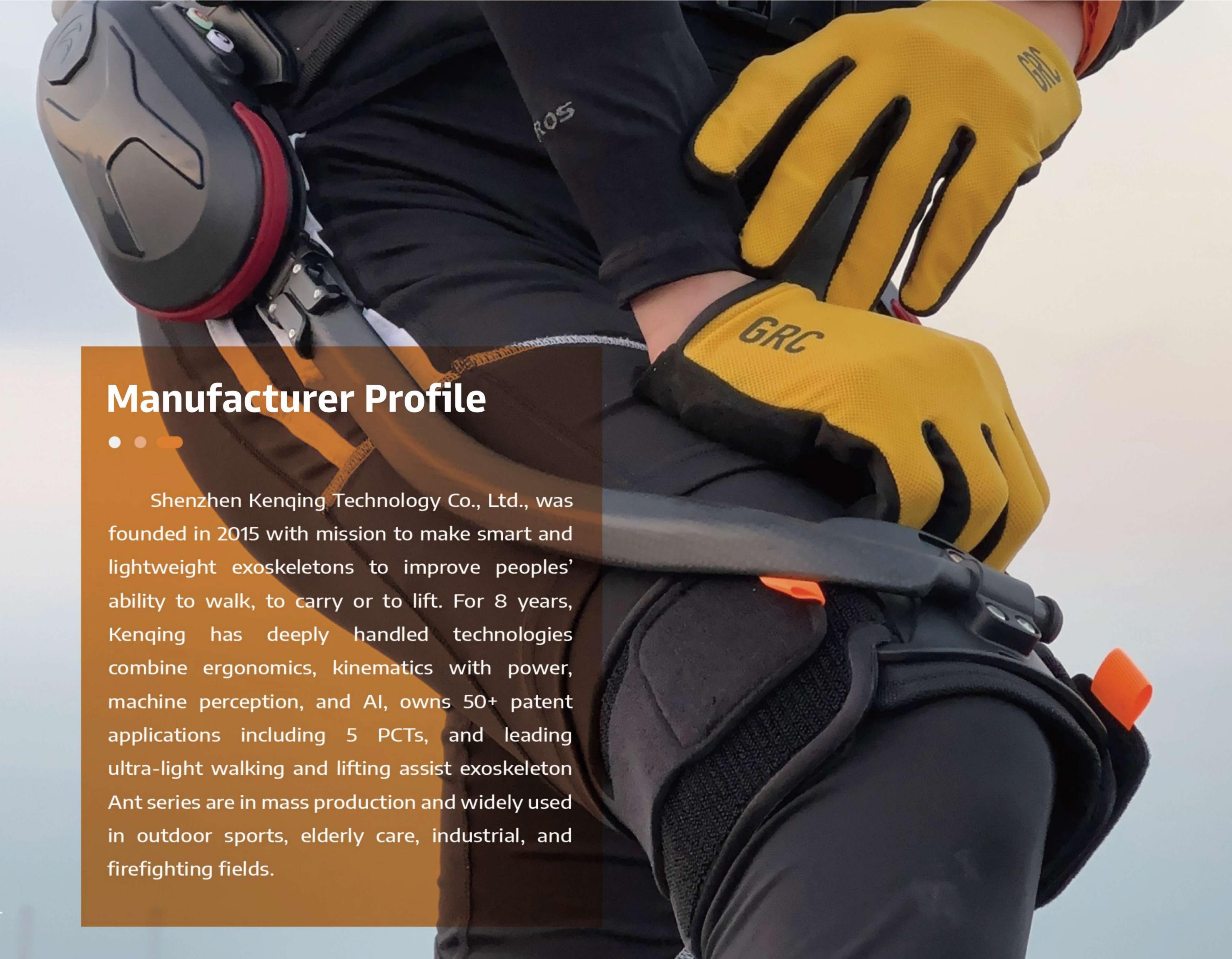






INNOGREEN SOLUTION PTE LTD







Ant-H1 Pro Walking Assist Robot

Go Outdoor Enjoy Mountain Scenery



Al Intention Recognition

Battery Replaceable Quickly

Lightweight & Close-Fitting

Multiple Protections

APP Support Four Modes

Precision And Durability





Applications

Outdoors:

Expanding Range, Physical Protection Elderly Care:

Improving Walking And Enhancing Health Physical Training:

Efficient Exercising & Precise Shaping

Parameters

Weight: 2.4kg*(Including battery)

Rated Torqur: 12Nm

Max Speed: 12Km/h

Endurance Per Charge:

Battery Replaceable In Seconds

Charging Time: 1.5H

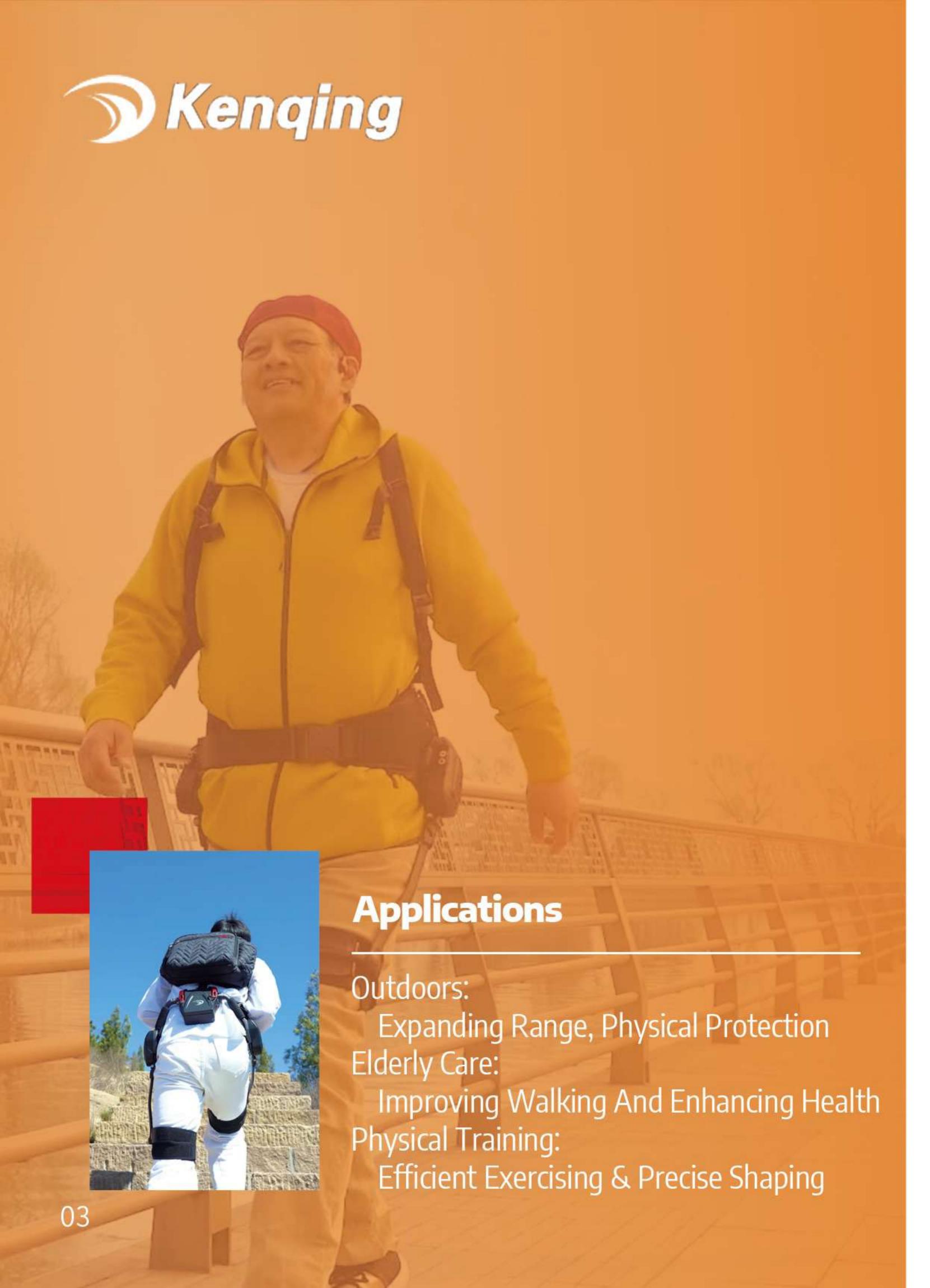
Materials: Aluminum Alloy+Carbon Fiber

Applicable Height: 150-185cm

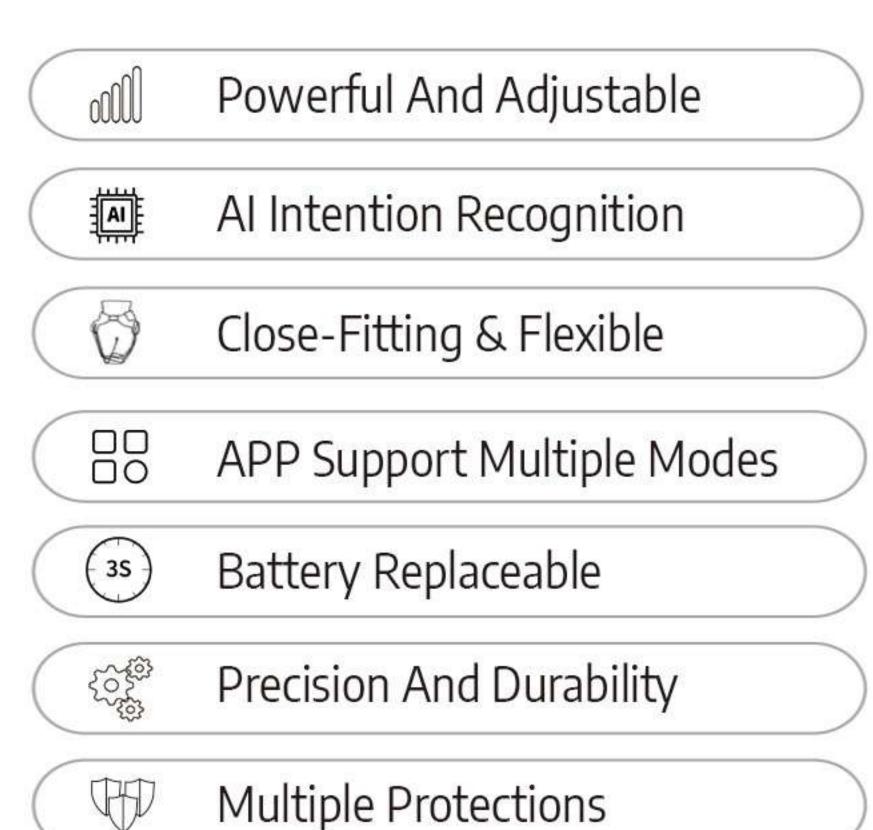
Easy To Use, Shoulder Strap Optional

Ab.1-2H**,8K-12K steps Op. Temp.: -10~45°C, Water&Dust Proof

Battery Passed UN38.3/MSDS Cetification 02



Ant-C1 Pro Walking Assit Robot





Parameters

Weight: 3.0kg*(Including Battery)

Rated Torqur: 18Nm

Max Speed: 11Km/h

Endurance Per Charge:

Ab.1.5-2.5H**,15K steps

Battery Replaceable

Charging Time: 1.5H

Materials: Carbon Fiber + Aluminum Alloy

Applicable Height: 150-185cm

Easy To Use, Shoulder Strap Optional

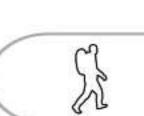
Op. Temp.: -10~45°C, Water&Dust Proof

Battery Passed UN38.3/MSDS Cetification





Ant-P1 Sports Enhanced Robot



Saving Physical Consumption



Resistance Training Efficient



Al Learning, Terrain Adaptation



Powerful & Lightweight



Flexible & High Speed



Battery Replaceable



Durable, Easy To Use



Parameters

Weight: 3.7kg*(W Bat. WO B.F)

Materials: Aluminum Alloy + Carbon Fiber

Rated Torque: 28N.m

Applicable Height: 150-185cm

Max Speed: 15Km/h

Easy To Put On/Off

Endurance For One Charge:

Op. Temp.: -25~45°**C**

Ab. 2-3H**, 20-25K Steps

Water & Dust Proof: IP56

Battery Replacement In Seconds

Battery Passed UN38.3/MSDS Cetification

Charging Time: 1.5H

04



Ant-P1L Weight-Bearing Assist Robot



- Passive Support Makes Carrying Easier
- Active Power Makes Sports More Effortless
- Suspended Design Bring Incomparable Flexibility



Emergency Rescue Fire Fighting Weight-bearing Patrol

Reduce Exercise Oxygen Consumption By



Reduce Body Load By More Than



Parameters

Dual Function: Sports Enhancement

And Weight Transfer

Weight: 7.2kg*(Including Battery)

Support Legs Are Removable

Rated Torqur: 28Nm

Max Speed: 15Km/h

Rated Load: 35kg

Max Load: 70kg

Endurance Per Charge:

Normal Mode: 2-3H** (12Nm@5Km/h)

Power Saving Mode: 5-6H**

Battery Replaceable Quickly

Charging Time: 1.5H

Materials: Aluminum Alloy + Carbon Fiber

Applicable Height: 150-185cm

Op. Temp.: -25~45°C

Water & Dust Proof: IP56

Battery Passed UN38.3/MSDS Cetification



Beetle-L1 Weigh-Bearing Assit Exoskeleton

- > Flexible Leg Connection
- ➤ Load Transfer To Foot Innerside
- Width Adjustable Foot Covers
- Back Frame Connected Flexiblely
- Biomimetic Structure Close Fitting





Applications

Emergency Rescue
Fire Fighting
Rescue & Disaster Relief
Weight-bearing Patrol

Parameters

Weight: 5.7kg*
Rated Load: 35kg
Max Load: 70kg

Knee Max Passive Torque: 5Nm

Max Speed: 15Km/h

Materials: Aluminum Alloy + Carbon Fiber

Applicable Height: 150-185cm

Op. Temp.: -40~45°C

Max Anti Drop Height: 2m

Menging

Ant-W1 Waist Assist Robot

Flexible Lifting Holding & Lowering





Powerful Dual Engines

Load Weight Adaptive



Multiple Accessories

Reliable Quality

Applications

Logistics And Transportation: Airport, Port Manufacturing: Factories, Mines Fire Fighting, Rescue And Relief





Parameters

Weight: 6.4kg*(Including Battery)

Rated Torques: 51Nm*2(Ab.35~45kg)

Motion Intention Recognition & Control

6-8H** Endurance For One Charge

Waist Adjustable, Applicable 1.6-1.9m

Load Can Be Lifted To The Abdomen

Grip Accessories Quick Disassembly

Charging Time: 1.5H

Large Capacity Battery Can Be Quickly Replaced Op. Temp:-25~45°C, Water & Dust Proof

Ant-WA1 Handling Assist Robot

Lift High & Hold Stable





Powerful Four Engines



Load Lift To Shoulder



Smart Intention Recognition



Load Weight Adaptive



Reliable Quality



Parameters

Weight:8.4kg*(Including Battery)

Rated Torques: 51Nm*4(Ab.35~45kg)

Motion Intention Recognition & Control

5-7H** Endurance For One Charge

Waist Adjustable, Applicable 1.6-1.9m

Load Can Be Lifted To The Shoulder

Grip Accessories Quick Disassembly

Charging Time: 1.5H

Large Capacity Battery Can Be Quickly Replaced Op. Temp:-25~45°C, Water & Dust Proof





Logistics And Transportation: Airport, Port Manufacturing: Factories, Mines Fire Fighting, Rescue And Relief



Ant-A1 Arm Assit Robot

Give You A Helping Hand



Active Assitance To Hands



Torso Control Arm Up & Down



Close Fitting And Flexible



6+ Hours Endurance



Certificated Quality

Applications

Logistics And Transportation: Airport, Port

Manufacturing: Factories, Mines

Fire Fighting, Rescue And Relief

Parameters

Weight: 5.2kg*(Including Battery)

Rated Torques:30*2Nm(Ab.15~25kg)

Assist Up To Hands

Torso Posture Control Up Or Down

Lift Load To Head

09 6~8H**(Ab. 3500 Times) For One Charge

Finger Sensors Optional

Charging Time:1.5h, Battery Replacable

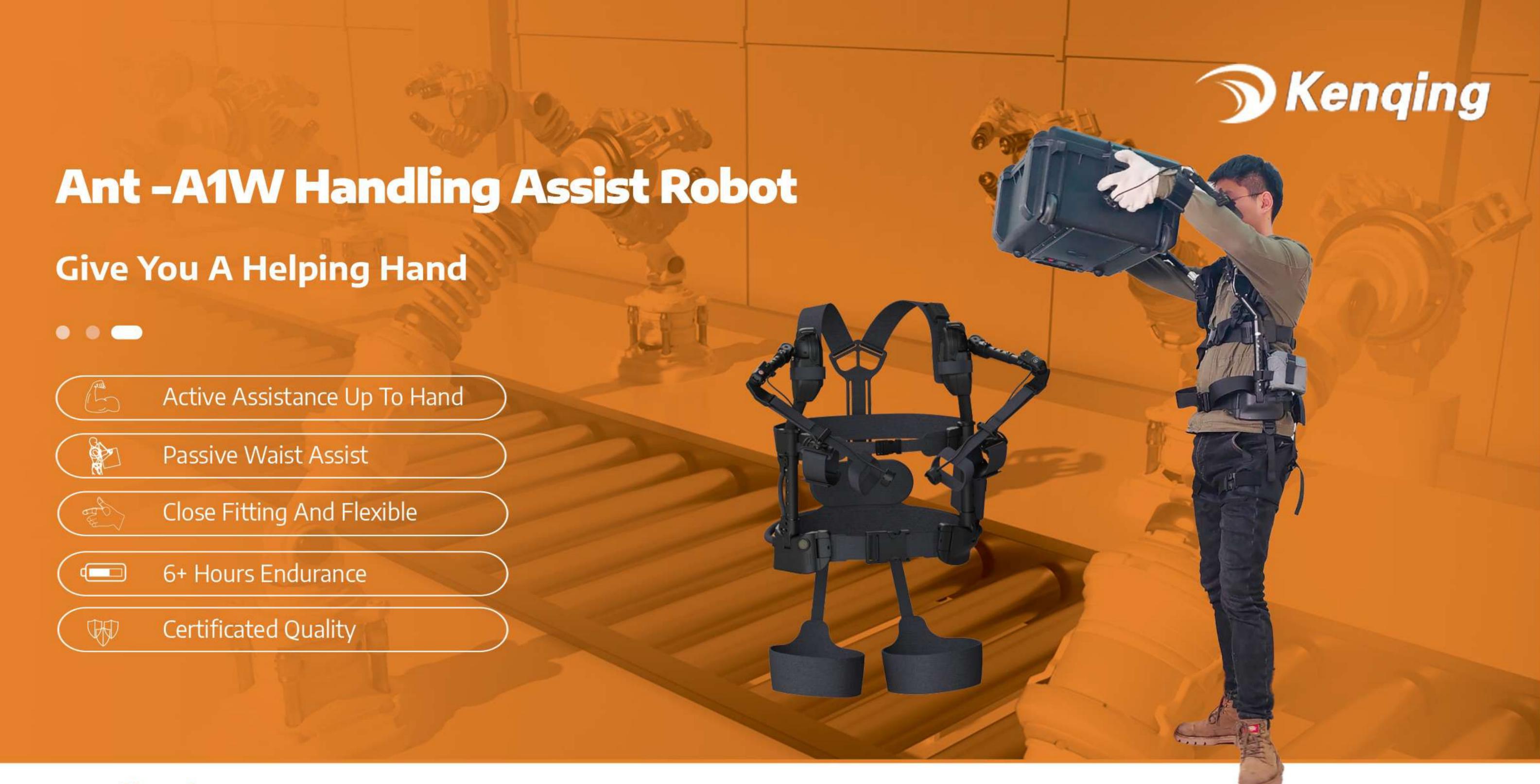
Close Fitting, Using Freely

Waist Adjustable, Applicable Height: 1.6-1.9m

Op. Temp:-25-45°C, Water And Dust Proof







Applications

Logistics And Transportation: Airport, Port Manufacturing: Factories, Mines Fire Fighting, Rescue And Relief

Parameters

Weight: 5.8kg*(Including Battery)
Arm Rated Torque: 30Nm*2(Ab. 20~30kg)
Waist Max Passive Torque: 12Nm*2(Ab. 12kg)
Assist Up To Hands
Torso Posture Controls Up Or Down

Supporting Lift Load To Head

One Charge Endurance: Ab. 6-8H**

Close Fitting And Easy To Use

Waist Adjustable, Appl. Height 1.6-1.9m

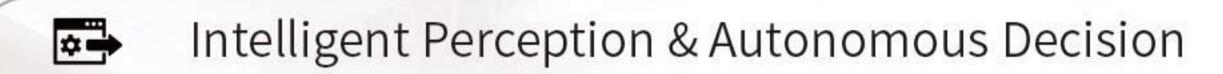
Op. Temp. :-25~45℃, Water & Dust Proof

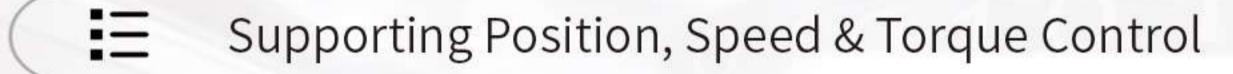


Ant-C1-E Education Exoskeleton Robot

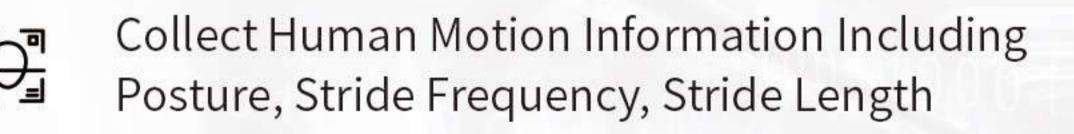
Reliable Hardware Platform Supports User Redevelopment











Data Analysis And Processing Of Acceleration Angle, And Angle Velocity



Applications

Support Research And Development From
Heginner To Advanced To Expert Level Developers
Applicable To Universities, Research Institutes,
And Development Enthusiasts

Parameters

Weight: 3.1kg*

Joint Angle Resolution:0.002°

Acceleration Range: 16g

Angular Velocity Range: 2000%s

Maximum Joint Angular Velocity: 700°/s

Max Torque: 15Nm

Max Control Frequency: 100Hz

Battery Capacity: 72Wh

Endurance Per Charge:

2.5H** for Walking

10H** For Data Acquisition

Output Power: 5V1.6A



Carrying and Walking Assist Product Series

0 0

Models	Pictures	Parameters	Features	Appilications
Ant-P1		Rated Torqur: 28Nm Weight: 3.7kg*(Including battery not including back frame) Endurance for one charge: 2-3H**/Ab. 20K steps	Save physical consumption when climbing mountain Reduce pressure on shoulder and spine Close fitting and lightweight Physical training	Emergency fire fighting Rescue and disaster relief Loaded operation Mountain patrol
Ant-P1L		Rated Torqur: 28Nm Weight: 7.2kg*(Including battery and back frame) Endurance for one charge: 2-3H**/Ab. 20K steps Rated Load: 35kg Max Load: 70kg	Carrying load weight transferred to the ground Reduce oxygen consumption and save physical energy Lower limb support accessories can be separated Upper part can be used independently as Ant-P1	Emergency fire fighting Rescue and disaster relief Loaded operation Mountain patrol
Beetle L1		Max Knee Passive Torqur: 5Nm Weight: 5.7kg* Rated Load:35kg Max Load: 70kg	Carrying load weight transferred to the ground Flexible hip structure, high flexibility	Emergency fire fighting Rescue and disaster relief Loaded operation Mountain patrol



Carrying and Lifting Assist Product Series

• • •				
Models	Pictures	Parameters	Features	Appilications
Ant-W1		Waist Assist:Ab.30-40kg Weight: 6.4kg*(Including battery) Endurance for one charge: 5-7H**/Ab. 2500 times	Lift load to abdominal position Automatically adapt to load weigh Pick up, hover, and drop freely Walking or lifting switching freely Replaceable grip accessories	Logistics handling Factory operation Rescue and disaster relief Labor protection
Ant-WA1		Waist Assist:Ab.30-40kg Weight: 8.4kg*(Including battery) Endurance for one charge: 4-5H**/Ab.1600 times	Lift load to shoulder position Automatically adapt to load weigh Pick up, hover, and drop freely Walking or lifting switching freely Replaceable grip accessories	Logistics handling Factory operation Rescue and disaster relief Labor protection
Ant-A1		Arm Assist:Ab.18-25kg Weight: 5.2kg*(Including battery) Endurance for one charge: 6-8H**/Ab. 3500 times	Full arm assistance High flexibility Lightweight and close fitting Flexible control of posture Finger sensor is optional	Logistics handling Factory operation Rescue and disaster relief Labor protection
Ant-A1W		Arm Assist:Ab.18-25kg Weight Passive Assist: Ab. 12kg Weight: 5.8kg*(Including battery) Endurance for one charge: 6-8H**/Ab. 3500 times	Full arm assistance Passive waist assistance High flexibility Lightweight and close fitting Flexible control of posture Finger sensor is optional	Logistics handling Factory operation Rescue and disaster relief Labor protection



Walking Assist Product Series

Models	Pictures	Parameters	Features	Appilications
Ant-C1 Pro		Rated Torqur: 18Nm Weight: 3.0kg*(Including battery) Endurance for one charge: 1.5-2.5H**/Ab. 15K steps	Powerful Close and slim fitting	Outdoor sports protection Improving elderly walking Fitness shaping Save physical consumption and extended outdoor range
Ant-H1 Pro		Rated Torqur: 12Nm Weight: 2.4kg*(Including battery) Endurance for one charge: 1.2-1.7H**/Ab. 8K-12K steps	Ultra lightweight Silent and agile Close and slim fitting	

Education Product Series

Models	Pictures	Parameters	Features	Appilications
Ant-C1-E		Rated Torque: 15Nm Weight:3.1kg* (Include battery) Development platform: Raspberry Pi	Support for custom development Support for sensor expansion	University Geek players

^{*}There are slight differences in weight due to different configurations and fabric materials
**The endurance data is tested under laboratory conditions, and there may be significant
differences in actual use due to different conditions

Innogreen Solution Pte Ltd

10 Admiralty Street #05-18 North Link Building Singapore 757695 Tel: (65) 6352 3313 Fax: (65) 6352 0280

Email: sales@innogreen.com.sg



Website