

SMART WINDOW

Automation for your Curtains and Blinds



01 May 2020



Home automation is all about adding comfort and convenience. Technology has rapidly changed in just about every aspect of life, newest innovations are hitting a homerun, a smart home or home automation is not something belonging to the distant future anymore. It has arrived — the internet is gradually making its way into everything, from appliances to motorised curtains or motorised blinds, and you will soon be able to control most things in your home from your phone.

Motorised curtains and Motorised roller blinds are just one aspect of smart home automation that provide a long list of benefits, encompassing everything from fun to better home security. Smart Home Automation is now easier than ever with our iSmart Window solutions for your motorised curtains and roller blinds. Motorised Curtains and Roller Blinds solutions can increase your home's value, improve comfort, security, lifestyle, energy efficiency, all the while being affordable too.

iSmart Window is one of the leading companies to supply a wide range of custom made motorised curtain tracks, motorised roller blinds and electric window openers as well as we supply all kinds of affordable New Zealand custom made quality roller blinds, vertical blinds and venetian blinds etc..

iSW is our iSmart Window registered brand name for all of our curtain motors, tubular motors and electric window openers, they are made by the No.2 tubular motor manufacturer in the world which is Chinese No.1 OEM/ODM tubular motor supplier for oversea market, their products have obtained CE, VDE, TUV, UL, FCC, NF, LVD, EMC, GS, ROHS, CCC etc. international certificates that meet the strict requirements of different countries. They have secured the TUV's authoritative ISO9001 system and ISO 14001 system, so we have the confidence of providing the purchaser a 3 year warranty for all of our curtain motors, AC powered and Li-ion Battery powered tubular motors, and our Electric Window Opener (Actuator).

iSmart Window aims to provide our customers the affordable and reliable, comfortable and convenient, and the best value home curtain and roller blind automation solutions. We can even convert your existing manual curtains and roller blinds to our motorised options which are more convenient and affordable than you think. Meanwhile we provide you all kinds of high quality and competitive price custom made standard roller blinds, vertical blinds and venetian blinds.

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07

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06

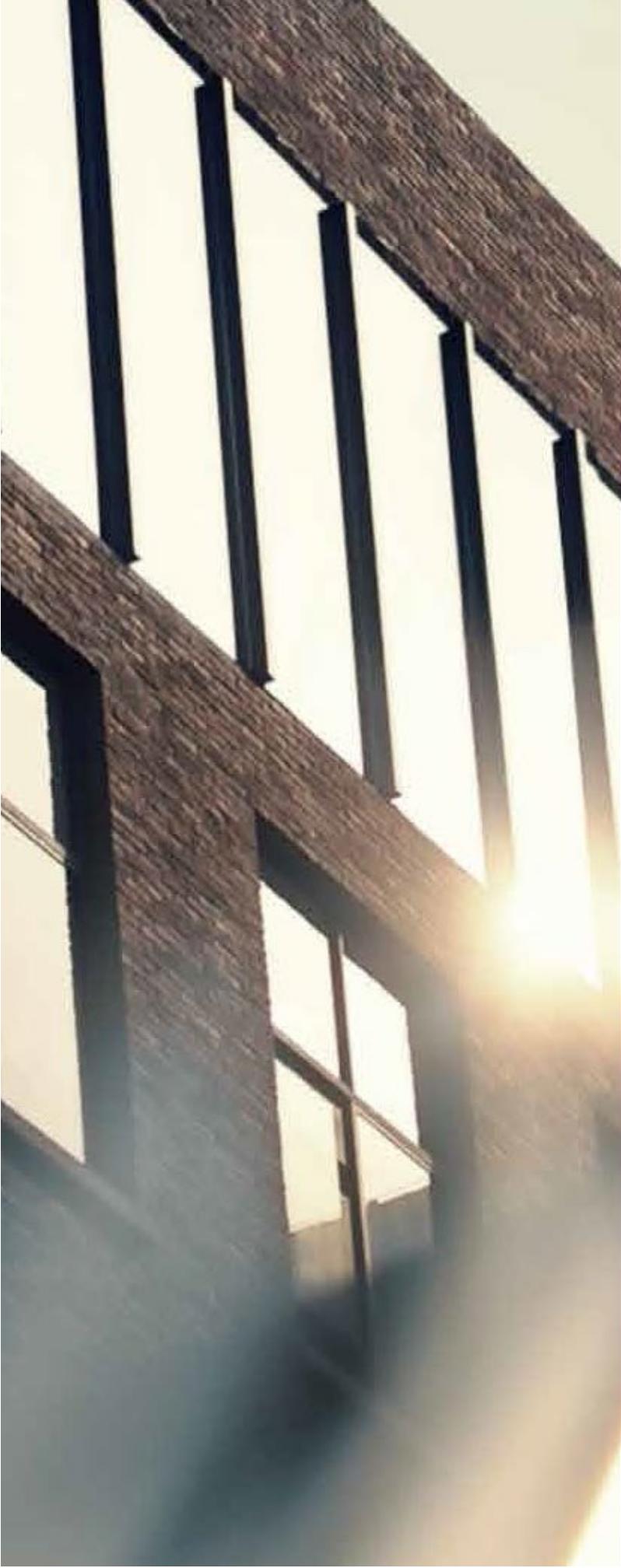
Control System

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01

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MANUFACTURER INTRODUCTION



- 95,000 sqm (113,620 sqyd) production space and 2,400 employees
- Annual turnover: 237 million USD in year 2019
- Annual output: 8.5 million motors and 9.8 million electronic control units
- No.2 tubular motor manufacturer worldwide
- China's No.1 OEM/ODM tubular motor supplier for oversea market
- 68% of China market

Main product categories: tubular motors, venetian motors, curtain motors, vertical blinds motors, window actuators, control system and accessories

PRODUCT CERTIFICATION



ELECTRONIC ASSEMBLY



- 8 Yamaha SMT electronic assembly line and 4 DIP assembly line
- Daily production capacity: 45,000 units
- Computerized assembly-line monitoring system
- ICP test and CCD Automated Visual Inspection System
- ERP assisted order, production and logistics management system
- Lean production system implemented
- Barcode tracking system for flow of materials and goods
- Systematic on-job skill training and off-site development for employees

MOTOR PRODUCTION



- 35 U-shape AC motor assembly line, 16 DC motor assembly line and 8 SMT electronic assembly line
- Daily production capacity: 40,000 motors
- 6 in-line quality control stations per assembly line
- 100% in-line motor quality inspection
- Computerized assembly-line monitoring system
- ERP assisted order, production and logistics management system
- Lean production system implemented
- Barcode tracking system for flow of materials and goods
- Systematic on-job skill training and off-site development for employees



Electronic Assembly



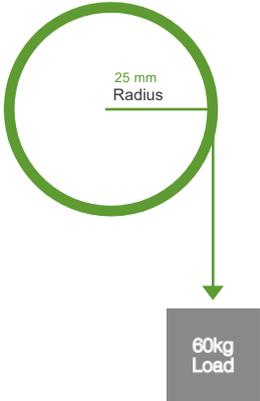
Finished Product Warehouse

Product Applications

NO.	Product	Application					
1	 <p>DM Tubular Motor</p>	 <p>Motorized Roller Blinds</p>	 <p>Motorized Venetian Blinds</p>	 <p>Motorized Roman Blinds</p>	 <p>Motorized Pleated Blinds</p>	 <p>Motorized Ceiling Curtain</p>	 <p>Motorized Sheer Blinds</p>
		 <p>Outdoor Motorized Roller Blinds</p>	 <p>Motorized Awning</p>	 <p>Motorized Roller Shutter</p>	 <p>Motorized Lift Curtain</p>	 <p>Motorized Honeycomb Blinds</p>	 <p>Motorized Shangri - La Blinds</p>
		 <p>Motorized Roller Door</p>	 <p>Motorized Window Awning</p>	 <p>Motorized Louver</p>	 <p>Motorized Projector Rack</p>	 <p>Motorized Banner Lifter</p>	 <p>Motorized Projection Screen</p>
2	 <p>DM DC Tubular Motor</p>	 <p>Motorized Roller Blinds</p>	 <p>Motorized Aluminium Venetian Blinds</p>	 <p>Motorized Roman Blinds</p>	 <p>Motorized Sheer Blinds</p>	 <p>Motorized Shangri - La Blinds</p>	
		 <p>Motorized Aluminium Venetian Blinds</p>	 <p>Motorized Screen</p>				
3	 <p>DT Curtain Motor</p>	 <p>Motorized Curtain</p>	 <p>Motorized Lift Curtain</p>				

NO.	Product	Application
4	 <p data-bbox="459 445 504 479">DJ</p> <p data-bbox="413 491 547 512">Window Actuator</p>	  <p data-bbox="922 465 991 499">Motorized Louver</p> <p data-bbox="1046 465 1110 499">Window Actuator</p>
5	 <p data-bbox="451 673 507 707">DV</p> <p data-bbox="400 719 564 741">Wood Shutter Motor</p>	 <p data-bbox="914 699 1002 733">Motorized Wood Shutter</p>
7	 <p data-bbox="456 901 512 935">DC</p> <p data-bbox="424 949 547 969">Control System</p>	<p data-bbox="900 868 1023 915">Compatible With All ISmart Window Products</p>

Technical Support



? N·m

$$\text{Torque (N.m)} = \text{Radius (mm)} \times \text{Load (kg)} \div 100$$
$$= 25 \text{ (mm)} \times 60 \text{ (kg)} \div 100 = 15 \text{ (N.m)}$$

? kg

$$\text{Load (Kg)} = \text{Torque (N.m)} \times 100 \div \text{Radius (mm)}$$
$$= 15 \text{ (N.m)} \times 100 \div 25 \text{ (mm)} = 60 \text{ (kg)}$$

Remark: Calculation in diagram base on the Newton`s Law
(1 inch=25.4mm 1 pound=0.454Kg)



QUIET MOTOR DOUBLE HELICAL GEAR TECHNOLOGY

Double Helical Gear Technology	Quiet Motor	Q Series	QA Series	30dB
Helical Gear Technology	Low-Noise Type Motor	SL Series	QL Series	35dB
Standard Gear Technology	Standard Motor	S Series	M Series	42dB

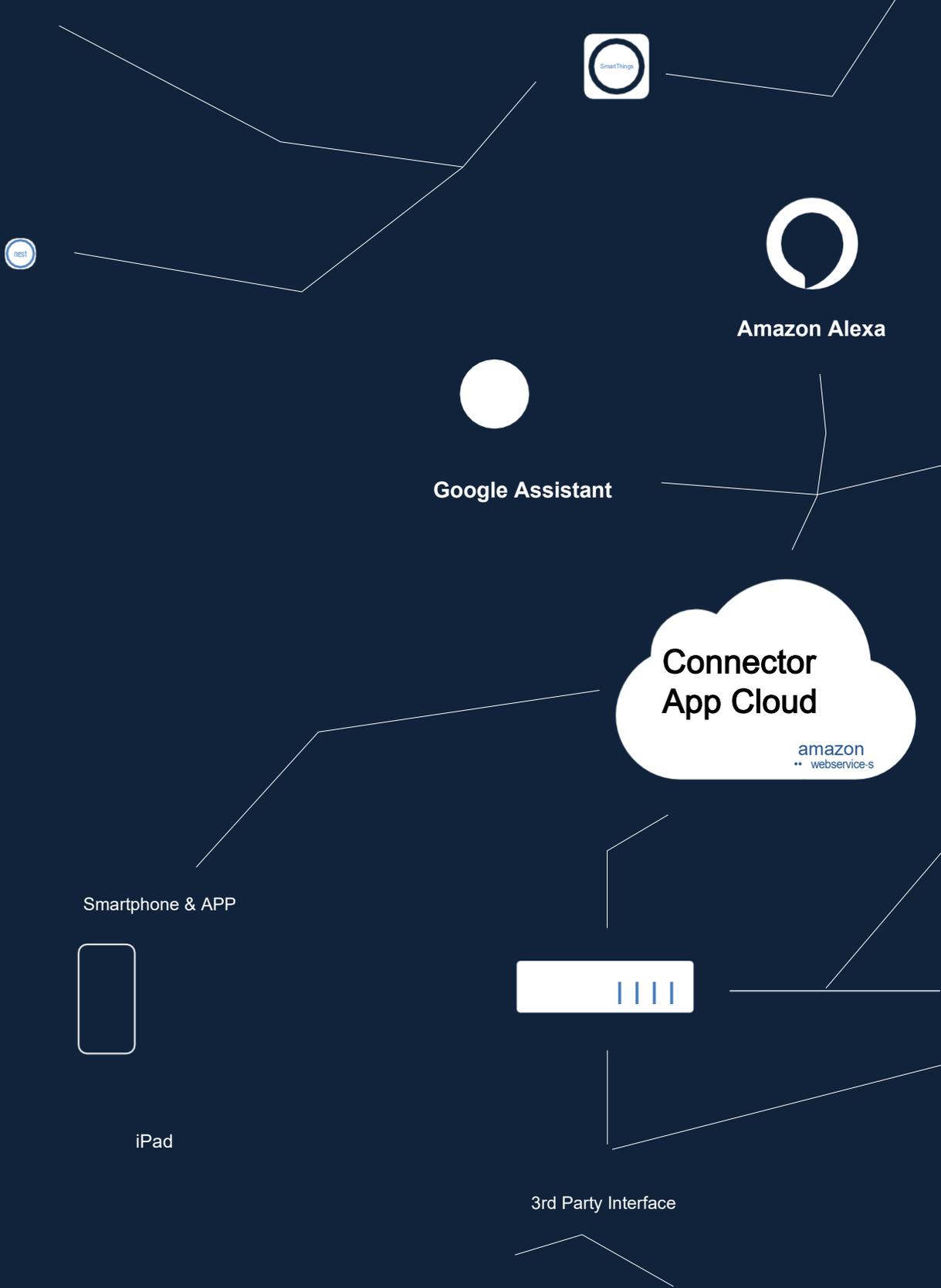


02

Automation System

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THINGS



IFTTT



Wi-Fi Application



Bridge



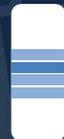
RF Application



Remotes & Sensors



Scene Controller



INTERNET

- ““ OK Google, Start my day
- ““ OK Google, Open shutter to 20%
- ““ Ok Google, Turn on scene
- ““ OK Google, Good night

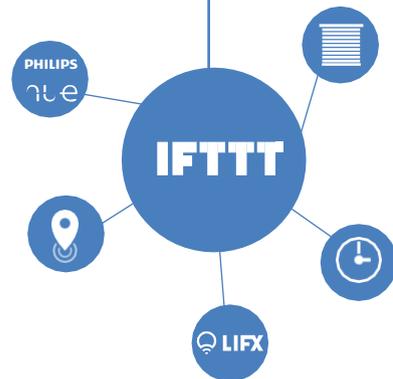


Skills & features developed, tested and published for both Amazon Alexa and Google Assistant. Enabled voice control and interaction of motorized window coverings through customized voice command and favorites set by users.

Link up with IFTTT (IF This Then That) provides much broader options to users of our motorized products, creating new ways to interact their window coverings with existing smart home devices and numerous IoT services available over the INTERNET.



- ““ Alexa, Start my day
- ““ Alexa, Turn on scene
- ““ Alexa, Turn on shutter to 50%
- ““ Alexa, Good night.



TAP INTO INTERNET OF THINGS

NATIVE SIRI INTEGRATION

"Siri, close bedroom curtain."
Simple as that.

* For iOS12 or above only.



STAY UPDATED

The motor updates Realtime positions, low-battery warning or other status back to your smartphone.



SCENE CONTROLLER

Activate the scene by one button



PLAN & PLAY

One window, all windows, 7:01am, every weekday evening, 5 minutes after sunset... plan and create your own automatic schedule for all your motorized window coverings and sun shading at home.



EASY & LAZY

Manual work is no longer necessary to move the blinds at home, automated actions and a simple touch on the phone is sufficient, even when you are traveling.

To download the APP, search "Shade Connector" on "Apple Store" or "Google Play".

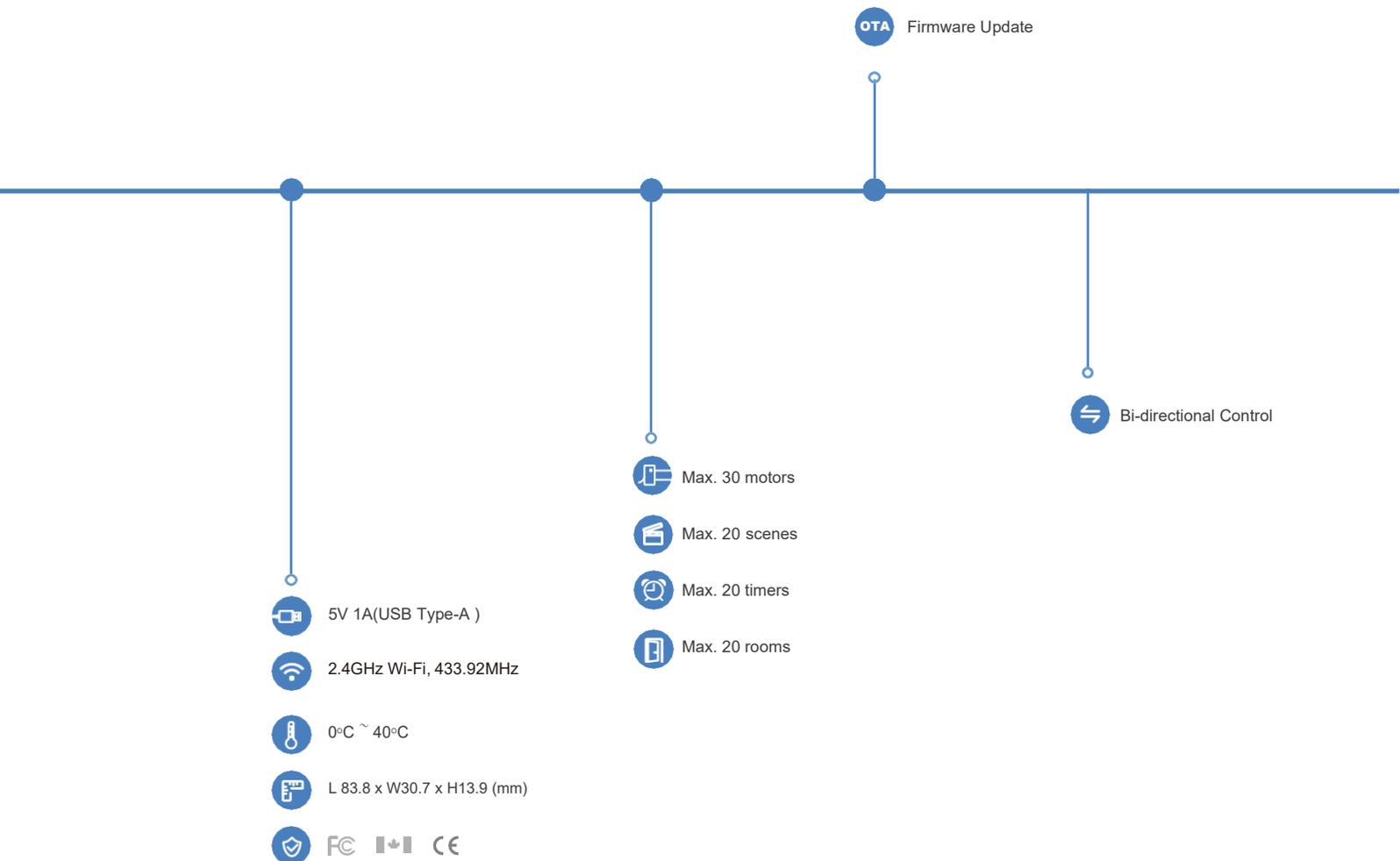


MINI BRIDGE



Mini Bridge DD1554

Mini bridge is a Wi-Fi to RF+ interface. It builds a connection via user's Wi-Fi router at home and enables user to control motorized window covering and sun shading products with designated smartphone applications and interaction with ecosystem such as Amazon Alexa, Google Assistant etc., via cloud API.

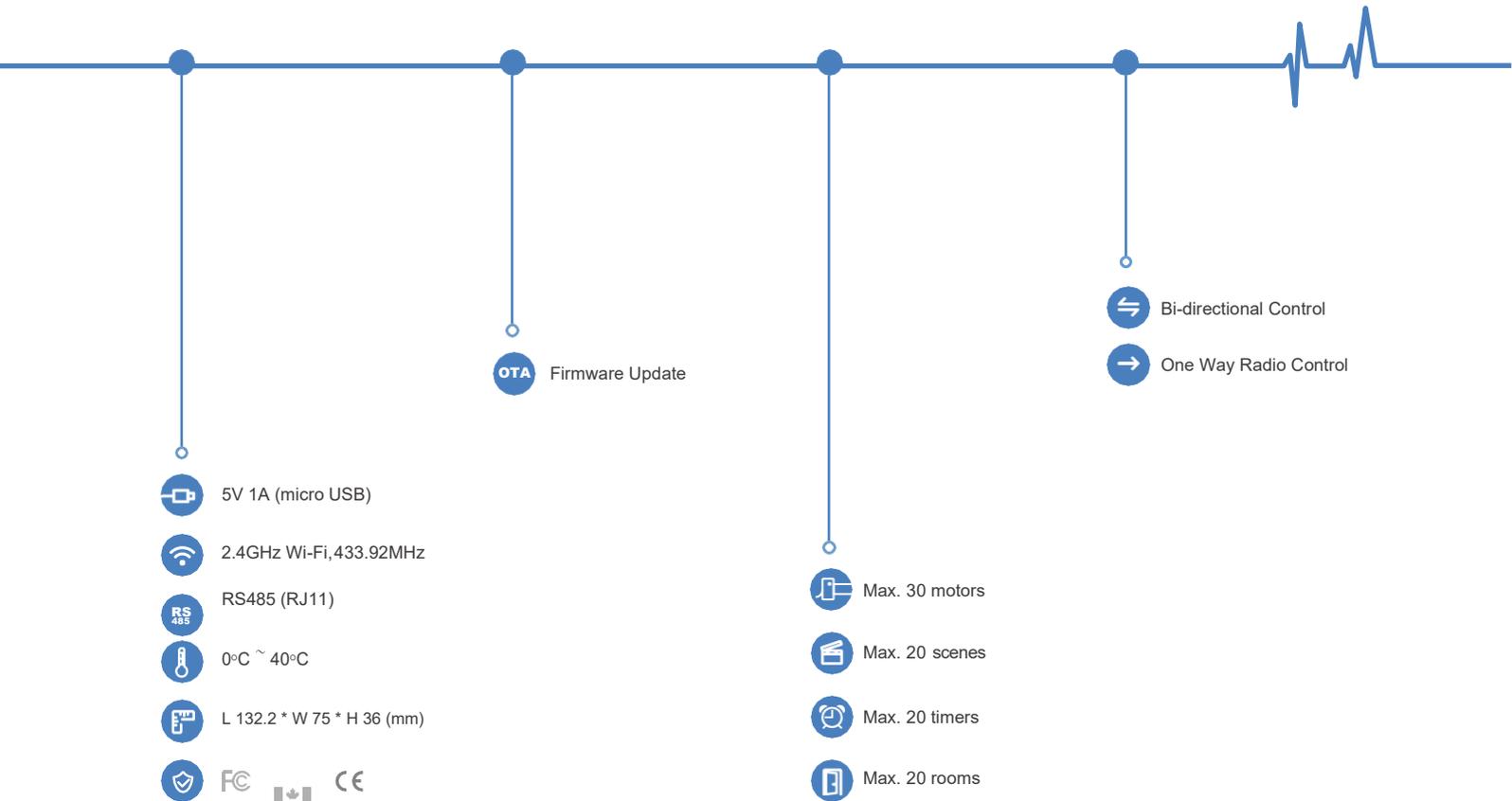


WI-FI BRIDGE

Wi-Fi bridge is a Wi-Fi to RF+ with integrated RS485 interface. It builds a connection via user's Wi-Fi router at home and enables user to control motorized window covering and sun shading products with designated smartphone applications and interaction with ecosystem such as Amazon Alexa, Google Assistant ,etc., via cloud API. The RS485 interface offers additional integration option into the third party home automation systems.



Wi-Fi Bridge DD7002B

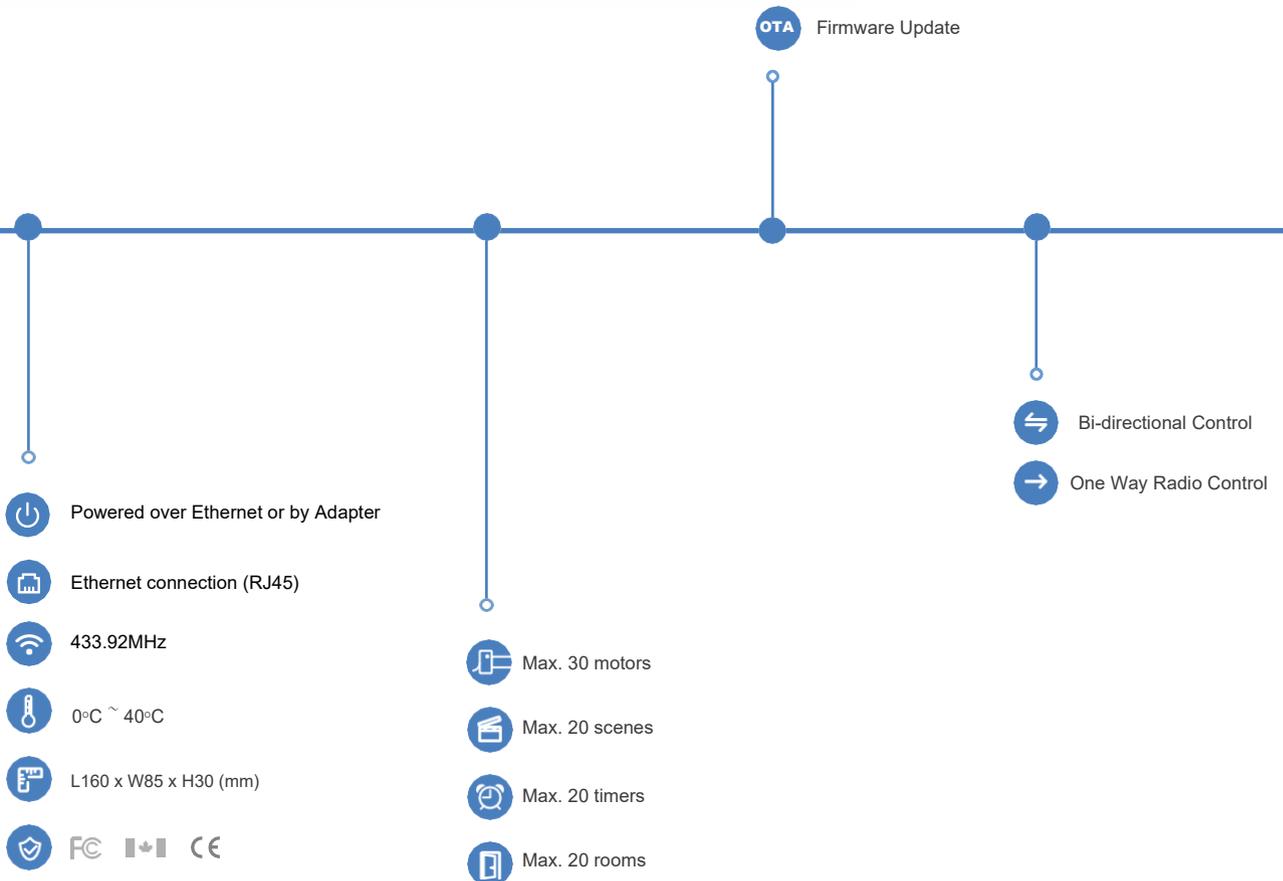


POE BRIDGE

POE bridge is a Ethernet to RF Radio interface. It builds a connection via user's Internet Router at home and enables user to control motorized window covering and sun shading products with designated smartphone applications and interaction with ecosystem such as Amazon Alexa, Google Assistant etc, via cloud API. The Ethernet interface offers additional integration option into the third party home automation systems.



POE Bridge DD7005



SCENE CONTROLLER

Scene controller is a portable scene control device, it allows you to control your shades by activating scenes which have been created and allocated by the Connector App to the controller. After setting, no need internet access and smartphone APP any more.



Scene Controller DD6020



433.92MHz



CR2430



Configure by the Smart Phone APP



0°C ~ 40°C



L115.8 x 70.2mm x H11.25 (mm)



Works with Wi-Fi Bridge, Mini Bridge, and POE Bridge



Control max. 4 scenes (No internet requested)



WI-FI MOTOR



WI-FI TUBULAR MOTOR

DM35F/SW

- Electronic Limit
- Switch Direction
- Stall Protection
- Built-in Receiver
- Jog Mode
- Preferred Stop Position



Works with Google Assistant, Amazon Alexa and



IFTTT Smartphone Control (Direct Wi-Fi Connection)



Support motor status feedback



Firmware Update



Support Open/Up, Stop, Close/Down and Precise control



Works with Siri (For iOS12 or above only)



DT72TV/SW & DT72TE/SW

- Electronic Limit
- Stall Protection
- Switch Direction
- Auto Limit Setting
- Manual Override
- Switch Control

WI-FI SWITCH



Wi-Fi Switch DC117C



Works with Google Assistant, Amazon Alexa and



IFTTT Smartphone Control (Direct Wi-Fi Connection)



Works with Siri (For iOS12 or above only)



Firmware Update



External switch control



For standard or interlock wall switch



Output Power: 200W



Working Temperature: -10 °C ~ +50°C



2.4GHz Wi-Fi

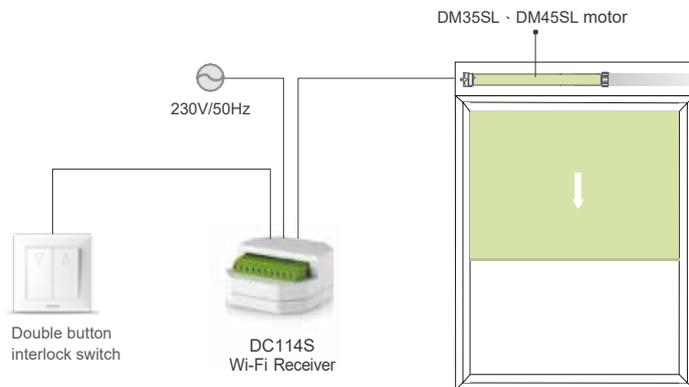


Dimension: 48mm x 45mm x 23mm

WI-FI RECEIVER



Wi-Fi Receiver DC114S



Works with Google Assistant, Amazon Alexa and



IFTTT Smartphone Control (Direct Wi-Fi Connection)



Works with Siri (For iOS12 or above only)



Firmware Update



FC I+I CE



One module per motor



For motor up to 20N.m



For standard or interlock wall switch



Output Power: 300W



Working Temperature: -10 °C ~ +50°C



Radio frequency: 2.4GHz Wi-Fi



Dimension: 51mm x 51mm x 27mm



KNX MOTOR



KNX certified and registered



Flexible control modes



Position Feedback

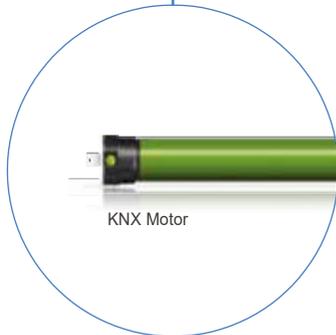


Multi-limit positions



DT300E/SK

- Electronic Limit
- Switching Direction
- Stall Protection
- Built-in Receiver
- Manual Override
- Preferred Stop Position
- Auto Limit Setting



DM45F/SK

- Twisted-pair Medium
- Precise limit setting
- Scan & program
- Preferred stop position
- Memorized setting
- Switch direction
- Stall Protection

Z-WAVE MOTOR



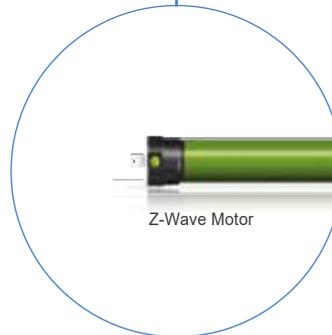
Z-Wave Plus S2 certified device

Position feedback

Frequency: 921.4 MHz (AUS / NZ frequency)

DT82TE/F & DT82TV/F

- Electronic Limit
- Switch Direction
- Stall Protection
- Built-in Receiver
- Manual Override
- Preferred Stop Position
- Auto Limit Setting
- AC Power 100V~240V



DM35ECB/F & DM45EQ/F

- Electronic Limit
- Switch Direction
- Stall Protection
- Built-in Receiver
- Preferred Stop
- Position
- Low-noise
- Jog & Lift Mode



03

Moroised Roller Blind System

Motorized Roller Blinds



DM25LEU/S

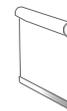
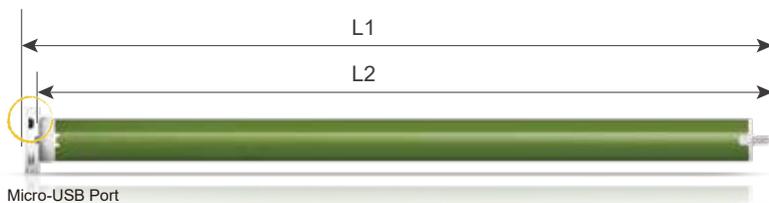
Electronic Limit, Radio+

1.1Nm 28Rpm



Φ25

Suitable for max. fabric size: 9.6m²
 (Φ38 tube, bottom beam 1kg, fabric 0.5kg/m²)



Motorized Roller Blinds

12V	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1/L2 (mm)	Certification
DM25LEU/S	1.1	28	433±	0.94	8	IP20	∞	◆6	0°C~40°C	475/463	CE FCC-ID
	1.1	40	433±	0.87	10	IP20	∞	◆6	0°C~40°C	550/540	

Features



Micro-USB



Memorized Setting



Solar Charging

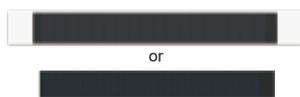


Preferred Stop Position

- Switch Direction
- Stall Protection
- Built-in Receiver
- Program Button
- Built-in Lithium Battery

- Jog Mode
- Scene Control
- Smartphone Control
- Scan & Program
- Status Feedback

Control System



Solar Panel DC12881 / DC1288H

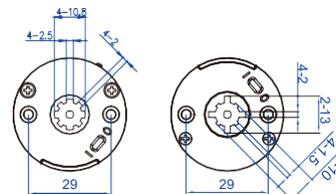


Single-channel Emitter DD2700H

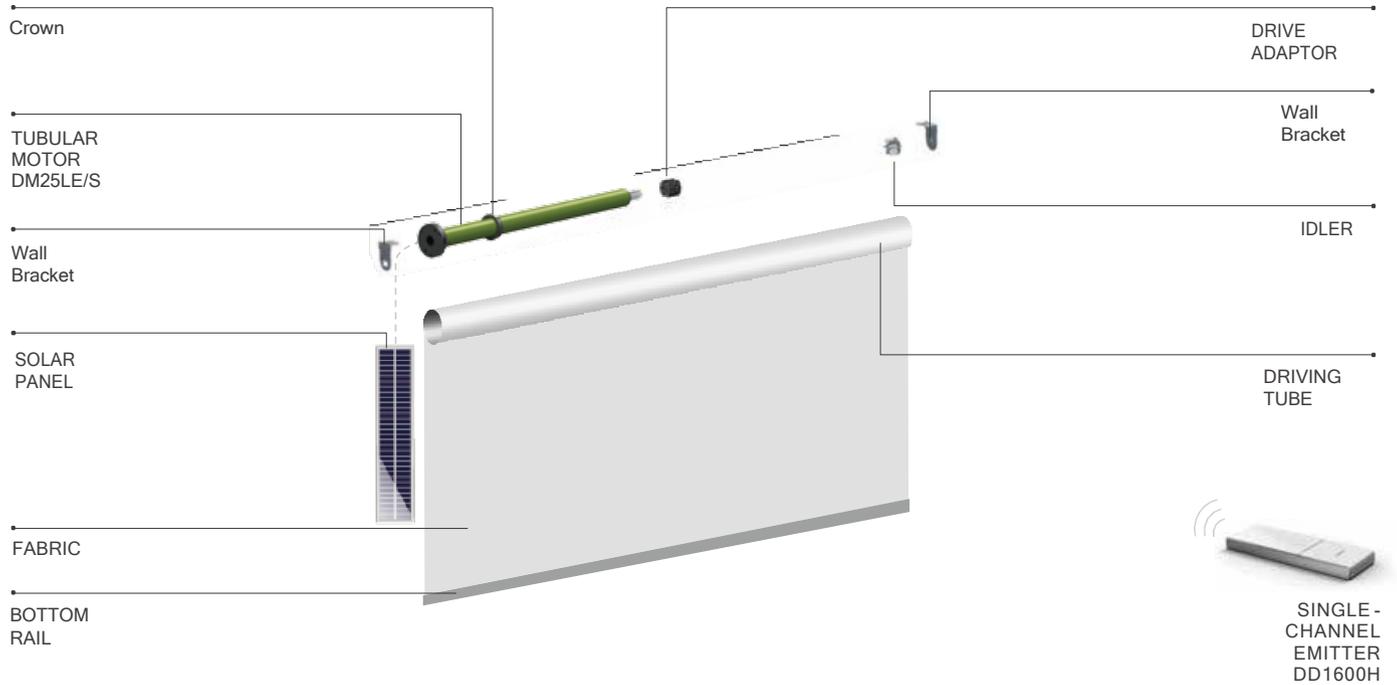
Drive Shaft



Limit Head



MOTORISED ROLLER BLIND - Built in Li-ion Battery Motor with Solar Panel



More
References:
DM25LEU/S
DM25LE/S

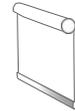
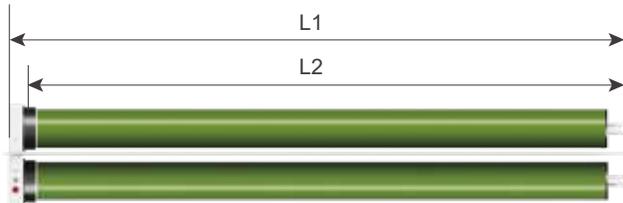
DM25CE/S

Electronic Limit, Radio+
0.7Nm 34Rpm



Φ25

Suitable for max. fabric size: 13.8m²
(Φ38 tube, bottom beam 1kg, fabric 0.5kg/m²)



Motorized Roller Blinds

12V	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1 / L2 (mm)	Certification
	0.7	34	433±	0.43	7	IP20	∞	>6	0°C~40°C	296/285	CE FCC-ID
DM25CE/S	1.1	40	433±	0.83	10	IP20	∞	>6	0°C~40°C	296/285	
	1.5	32	433±	1.00	10	IP20	∞	>6	0°C~40°C	296/285	

Features



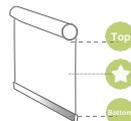
Solar Charging



Memorized Setting



Status Feedback



Preferred Stop Position

- Switch Direction
- Stall Protection
- Built-in Receiver
- Program Button
- External Lithium Battery
- Jog Mode
- Scene Control
- Smartphone Control
- Scan and Program
- Solar Charging

Control System



12V rechargeable battery wand DC1276 & Solar Panel DC1289G

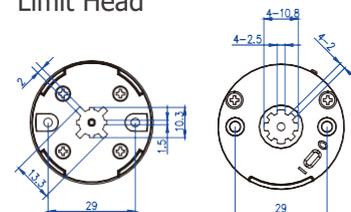


Single-channel Emitter DD1600H

Drive Shaft

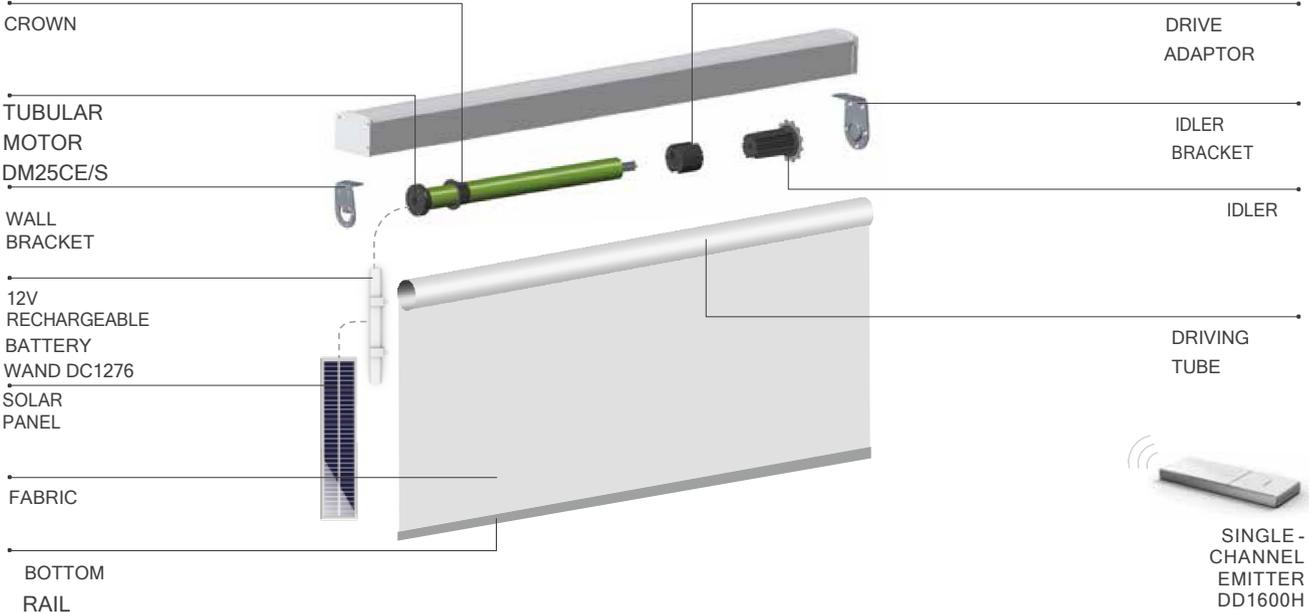


Limit Head



Motorized Roller Blinds

MOTORISED ROLLER BLIND - 12V DC Motor with Lithium Battery Wand and Solar Panel System For Narrow High Window



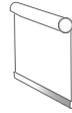
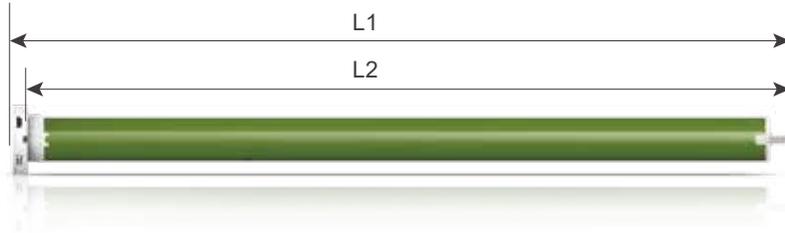
DM28LEU/S

Electronic Limit, Radio+
2Nm 28Rpm



Φ28

Suitable for max. fabric size: 19.1m²
(Φ38 tube, bottom beam 1kg, fabric 0.5kg/m²)



Motorized Roller Blinds

12V	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1/L2 (mm)	Certification
DM28LEU/S	2	28	433 [±]	1.25	15	IP20	∞	◆6	0°C~40°C	642/630	CE FCC-ID

Features



Micro-USB



Memorized Setting



Status Feedback

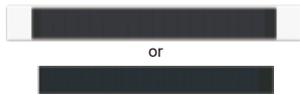


Preferred Stop Position

- Switch Direction
- Stall Protection
- Built-in Receiver
- Program Button
- Built-in Lithium Battery

- Jog Mode
- Scene Control
- Smartphone Control
- Scan & Program
- Status Feedback

Control System



Solar Panel DC1288I / DC1288H

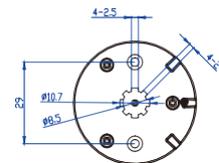


Single-channel Emitter DD1600H

Drive Shaft



Limit Head

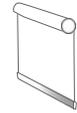
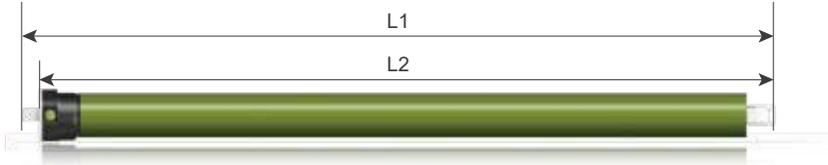


DM35LEU/S

Electronic Limit, Radio+
3Nm 28Rpm



Φ35



Motorized Roller Blinds

12V	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1/L2 (mm)	Certification
DM35LEU/S	3	28	433±	1.86	21	IP20	∞	◆6	0°C~40°C	655/637	CE FCC-ID

Features



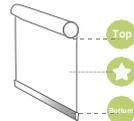
Micro-USB



Memorized Setting



Status Feedback



Preferred Stop Position

- Switch Direction
- Stall Protection
- Built-in Receiver
- Program Button
- Built-in Lithium Battery
- Jog Mode
- Scene Control
- Smartphone Control
- Scan and Program
- Status Feedback

Control System



Solar Panel DC1288I / DC1288H



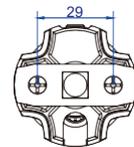
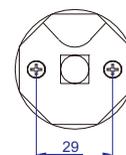
Single-channel Emitter DD1600H

Accessories



DS485

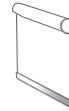
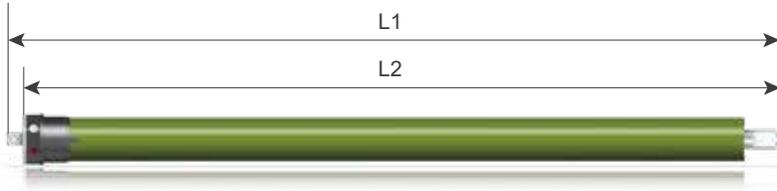
Limit Head



DM35RL/S Mechanic Limit, Radio+ 6Nm 28Rpm



Φ35



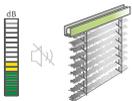
Motorized
Roller Blinds



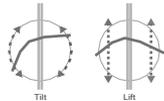
Wooden
Venetian Blinds

230V/50Hz 120V/60Hz	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1/L2 (mm)	Certification
DM35RL/S	6	28	433 ^{±2}	0.63	144	IP44	36	◆6	0°C~40°C	594/567	

Features



Whisper Operation



Tilt & Lift



Integrated Repeater



Scan & Program

- Mechanic Limit
- Switch Direction
- Built-in Receiver
- Tilt & Lift Mode
- Low-noise
- Scene Control
- Smartphone Control
- Scan and Program

Control System



Portable Single-channel Emitter DD1670H



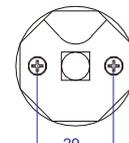
Single-channel Emitter DD1610H

Accessories

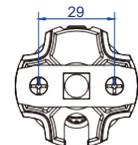


DS485

Limit Head



Motorized Roller Blinds



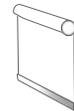
Wooden Venetian Blinds

DM35F/S

Electronic Limit, Radio+
6Nm 28Rpm



Φ35



Motorized Roller Blinds

230V/50Hz	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1/L2 (mm)	Certification
DM35F/S	6	28	433±	0.53	121	IP44	36	◆6	0°C~40°C	595/552	UL US

Features



Scan & Program



Memorized Setting



Status Feedback



Preferred Stop Position

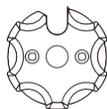
- Switch Direction
- Stall Protection
- Jog & Tilt
- Program Button
- Radio Lock
- Low Noise
- Scene Control
- Smartphone Control
- Scan & Program
- Integrated Repeater

Control System



Single-channel Emitter DD2710H

Accessories

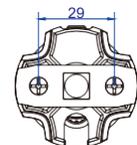
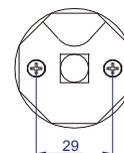


DZ409A



DS485

Limit Head





04 **Motorized Cord-lifting System**

For Radio+ motor for 50mm wood venetian



Motorized Venetian Blinds

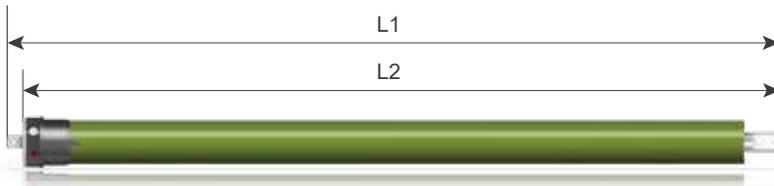


DM35RL/S

Mechanic Limit, Radio+
6Nm 28Rpm



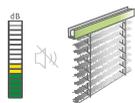
Φ35



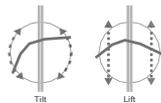
Wooden Venetian Blinds

230V/50Hz	Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L1/L2 (mm)	Certification
DM35RL/S	6	28	433±	0.63	144	IP44	36	◆6	0°C~40°C	594/567	CE, FCC, UL

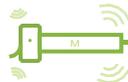
Features



Whisper Operation



Tilt & Lift



Integrated Repeater



Scan & Program

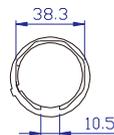
- Mechanic Limit
- Switch Direction
- Built-in Receiver
- Tilt & Lift Mode
- Low-noise
- Scene Control
- Smartphone Control
- Scan and Program

Control System

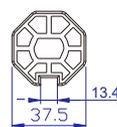


Single-channel Emitter DD1610H

Accessories

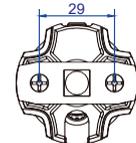
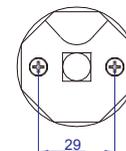


Crown DH36

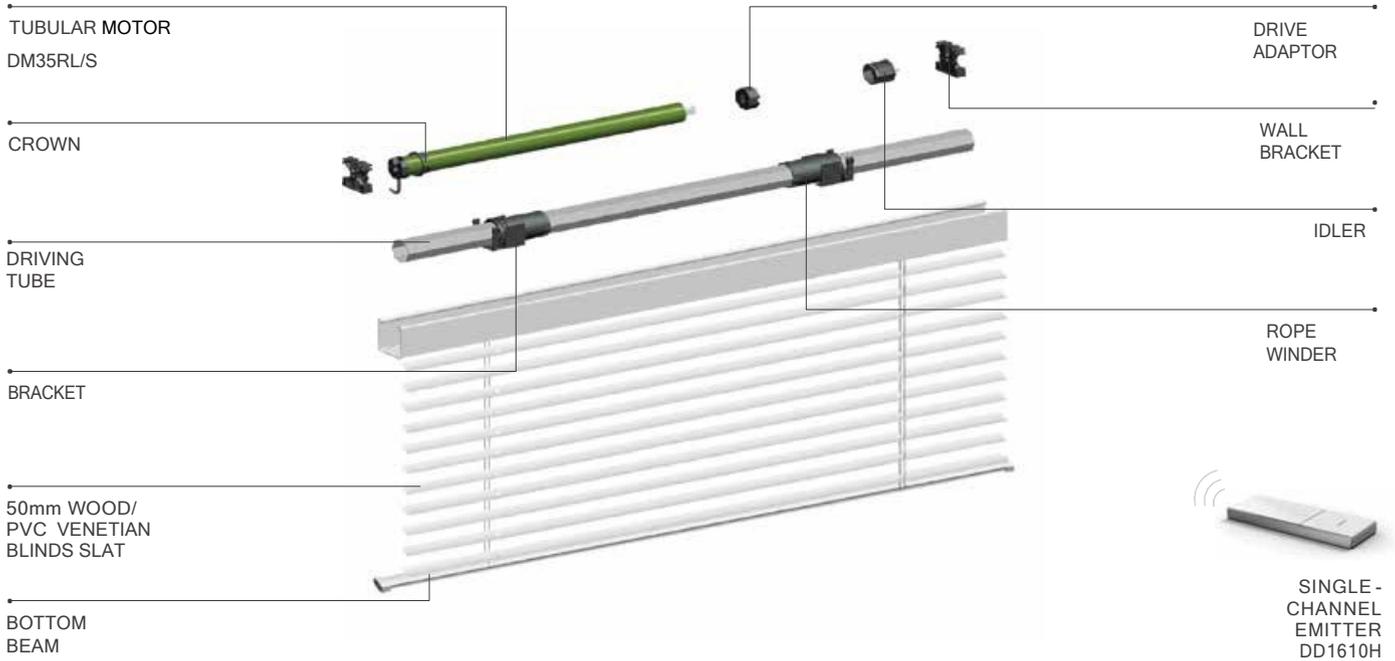


Drive Adaptor DL44

Limit Head



MOTORISED 50mm VENETIAN BLIND



More
References:

DM35S DM35RL/S
DM35F/S

05

**Motorized Curtain
Track**



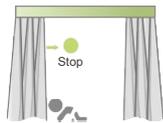
DT82TN

AC (100V~240V), Radio
Multi-interface
1.2Nm 14cm



100-240V 50/60Hz	Rated Torque (Nm)	Runing Speed (cm/s)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Maximum Load (kg)	Certification
DT82TN	1.2	14	433≠	0.14	13	IP20	∞	>4	0°C~40°C	50	CE

Features



Stall Protection



Scan & Program



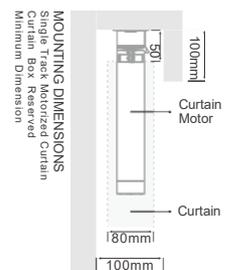
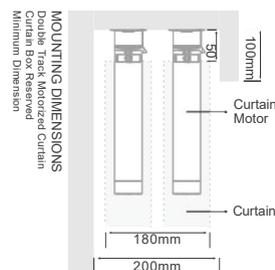
Vertical Or Horizontal Mounting

- Scene Control
- Radio Lock
- Status Feedback
- Smartphone Control
- Preferred Stop Position
- Program/Reset Button
- Dry Contact Input
- Electronic Limit
- Switch Direction
- Built-in Receiver
- Auto Limit Setting
- Manual Override
- Stop/Run By Pulling Fabric

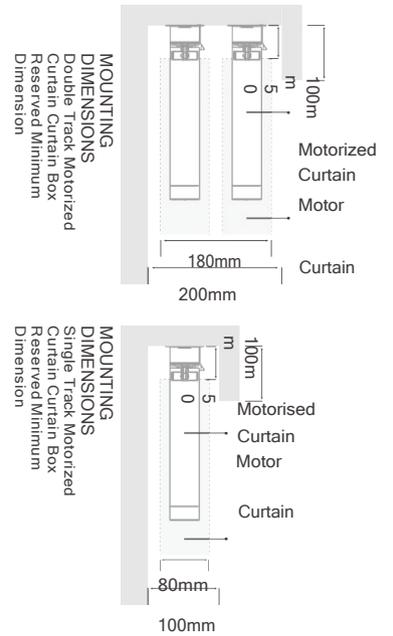
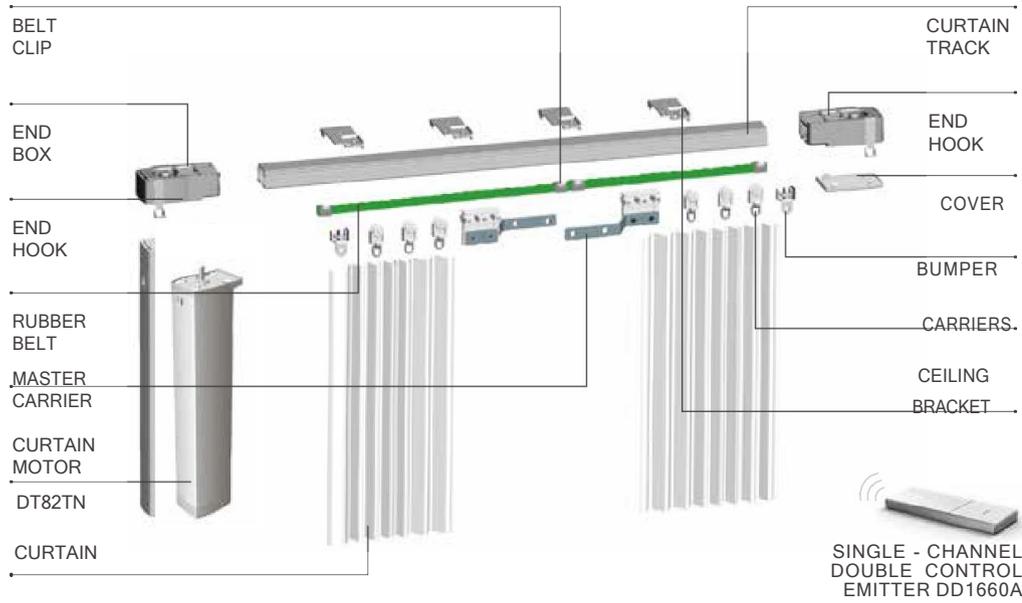
Control System



15-channel Emitter DD1862HA



MOTORISED CURTAIN TRACKS



More References:

DT72LE/S DT72EV/S DT72EN DT72TV/S DT72VP/S DT82LE/S
DT82TS DT82TN DT82VP/S

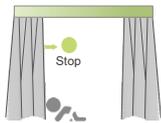
DT72LE/S

Horizontal Mounting, Radio+
Stop/Run by pulling fabric
1.2Nm 20cm



14.8V	Rated Torque (Nm)	Runing Speed (cm/s)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Maximum Load (kg)	Certification
DT72LE/S	1.2	20	433±	1.10	16	IP20	∞	>4	0°C~40°C	50	CE

Features



Stall Protection



Scan & Program



Pluggable Lithium Battery Pack

- Scene Control
- Radio Lock
- Status Feedback
- Smartphone Control
- Preferred Stop Position
- Program/Reset Button
- Solar Charging
- Electronic Limit
- Switch Direction
- Built-in Receiver
- Auto Limit Setting
- Manual Override
- Stop/Run By Pulling Fabric
- Dry Contact Input

Control System

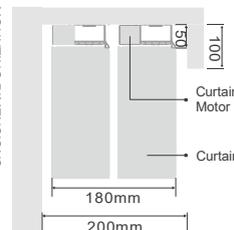


15-channel Emitter DD1660HA

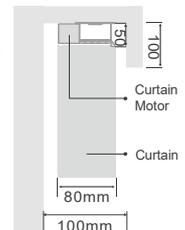


Solar Panel DC1289C

MOUNTING DIMENSIONS
Double Track Motorized Curtain
Curtain Box Reserved
Minimum Dimension



MOUNTING DIMENSIONS
Single Track Motorized Curtain
Curtain Box Reserved
Minimum Dimension



Radio

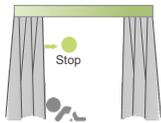
DT72TV

AC(100V~240V), Radio
Multi-interface, Hotel Mode
1.2Nm 14cm



100-240V 50/60Hz	Rated Torque (Nm)	Runing Speed (cm/s)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Maximum Load (kg)	Certification
DT72TV/S	1.2	14	433±	0.16	16	IP20	∞	>4	0°C~40°C	50	CE

Features



Stall Protection



Scan & Program



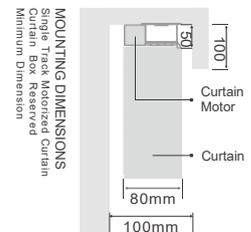
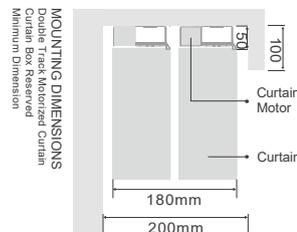
Third Party Interface

- Scene Control
- Radio Lock
- Status Feedback
- Smartphone Control
- Preferred Stop Position
- Program/Reset Button
- Dry Contact Input
- Electronic Limit
- Switch Direction
- Built-in Receiver
- Auto Limit Setting
- Manual Override
- Stop/Run By Pulling Fabric
- Built-in transformer

Control System

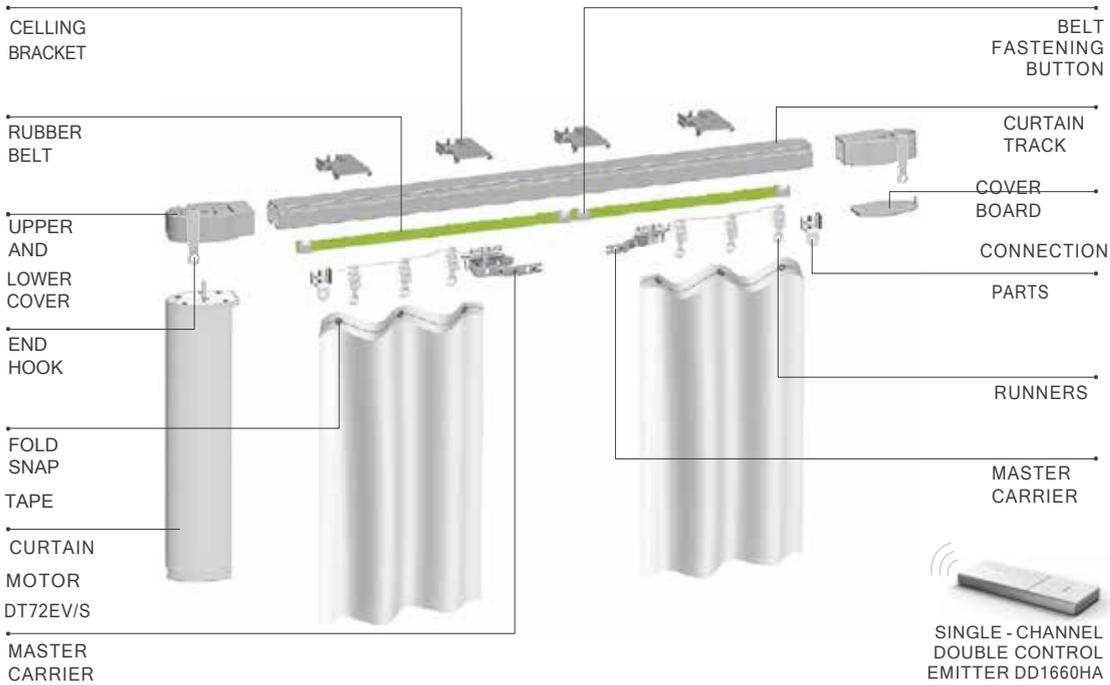


Single-channel Emitter DD1860HA

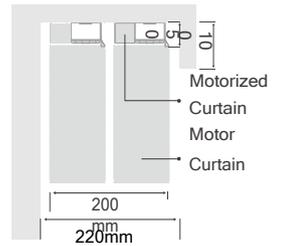


Motorized Curtain Track

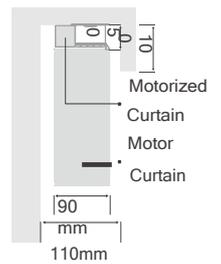
MOTORISED RIPPLEFOLD CURTAIN TRACK



MOUNTING DIMENSIONS
 Double Track Motorized
 Curtain Curtain Box
 Reserved Minimum
 Dimension



MOUNTING DIMENSIONS
 Single Track Motorized
 Curtain Curtain Box
 Reserved Minimum
 Dimension



More
 References:

DT72LE/S DT72EV/S DT72EN DT72TV/S DT72TVP/S DT82LE/S DT82TS DT82TN

SURFACE-MOUNTING MOTOR FOR WOOD SHUTTER

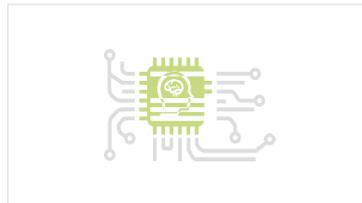
DV33NE/S

Electronic Limit, Bi-directional Radio Control

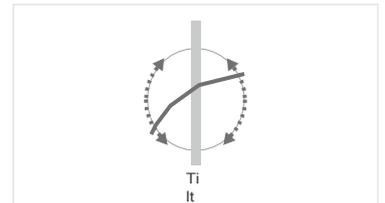


FEATURES:

- Electronic Limit
- Built-in Receiver Memorized Setting
- Setting
- Tilt Only
- Preferred Stop Position Stall Protection
- Program/Reset Button DC
- Power Supply
- Bi-directional Radio Control Smartphone Control



Memorized Setting



Tilt Only



Electronic Limit



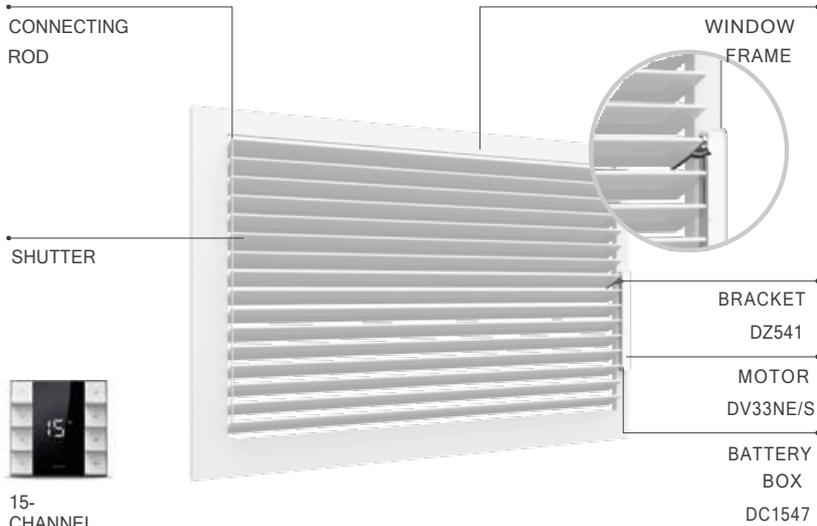
Low Voltage



		Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Length L (mm)
DV33NE/S-0.2/30	6V	0.2	30	433 ±	0.27	2	IP20	/	◆6	0℃~40℃	205

Note: Above listed are common information for reference. Please consult iSmart Window expert team for technical details or customization specs.

MOTORISED WOOD SHUTTER

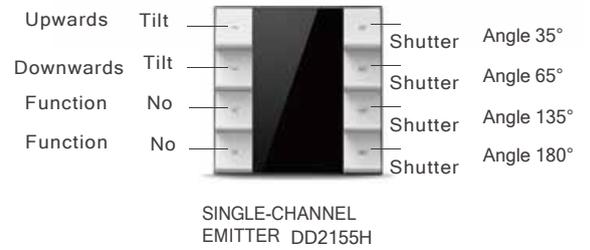
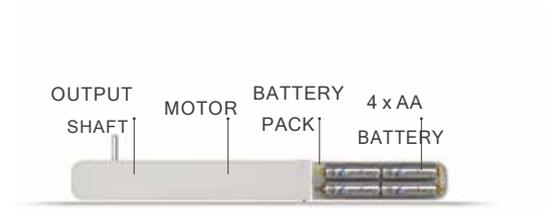


15-CHANNEL EMITTER DD2156H

More

References :

DV33NE/S



06 Control System

- 48 Emitters
- 51 Receivers
- 54 Switches
- 54 Repeaters
- 55 Battery Pack & Solar Panel
- 56 Dry contact to Radio
- 56 Group Radio



CONTROL SYSTEM EMITTERS



DD1600H
Single-channel Emitter

- Battery: 3V CR2450
- Radio frequency: 433.92MHz
- Working temperature:
 - -10°C ~ + 50°C
- Dimension:
 - 130mm×44mm×10.5mm



DD1602H
15-channel LCD Emitter

- Freely adjustable Max. channels
- Battery: 3V, CR2450
- Radio frequency: 433.92MHz
- Working temperature:
 - -10°C ~ + 50°C
- Dimension:
 - 130mm×44mm×10.5mm



DD1662HA
15 - channel Dual
Control LCD Emitter

- For motorized curtain
- Freely adjustable Max. channels
- Battery: 3V, CR2450
- Radio frequency: 433.92MHz
- Working temperature:
 - -10°C ~ + 50°C
- Dimension:
 - 130mm×44mm×10.5mm

CONTROL SYSTEM EMITTERS



DD1520H
Single-channel Emitter

- Battery powered, wall-mounted
- Battery: 2 x 1.5V batteries (AAA)
- Radio frequency: 433.92MHz
- Working temperature: -10°C~+50°C
- Dimension: 104mm×44.6mm×25mm



DD1522H
15 - channel Emitter

- Battery powered, wall-mounted
- Battery: 2 x 1.5V batteries (AAA)
- Radio frequency: 433.92MHz
- Working temperature: -10°C~+50°C
- Dimension: 104mm×44.6mm×25mm



DD1670A 
Portable Single-channel Emitter

- For motorized curtain
- Battery powered, wall-mounted
- Battery: 3V, CR2430
- Radio frequency: 433.92MHz
- Working temperature: -10°C~+50°C
- Dimension: 80mm×80mm×11.7mm



DD1671A 
Portable Dual Channel Emitter

- For motorized curtain
- Battery powered, wall-mounted
- Battery: 3V, CR2430
- Radio frequency: 433.92MHz
- Working temperature: -10°C~+50°C
- Dimension: 80mm×80mm×11.7mm



DD1673
Portable 15-channel Emitter

- Freely adjustable Max. channels
- Battery powered, wall-mounted
- Battery: 3V, CR2430
- Radio frequency: 433.92MHz
- Working temperature: -10°C~+50°C
- Dimension: 80mm×80mm×11.7mm



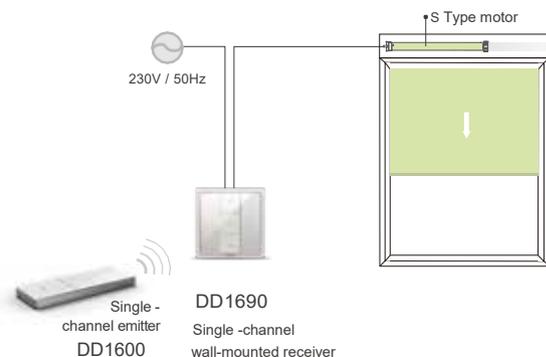

DD2762HA
Single - channel
Dual Control Emitter

- For motorized curtain
- Battery: 3V CR2450
- Radio frequency: 433.92MHz
- Working temperature:
-10°C ~ +50°C
- Dimension:
130mm×44mm×10.5mm

CONTROL SYSTEM RECEIVERS



DD1690
Single-channel
Wall-mounted Receiver



- Control motor up to 50N.m
- Jog mode (Tilt for venetian)
- Working temperature: -10°C ~ +50°C
- Work with all iSW Emitters
- Radio frequency: 433.92MHz
- Pair and store up to 20 emitters
- Compatible with European wall-box
- Dimension: 80mm×80mm



DD1686A
24V DC Single - channel receiver

- Max 1.5Nm DC motor
- External switch
- Quick reverse
- Stall protection, radio control
- Compatible with dry contact
- Radio frequency: 433.92MHz
- Maximum output power: 30W
- Input voltage: 100~240V
- Output voltage: 24V
- Dimension: 86mm×86mm
-



DD117
Switch Module

- One receiver per lamp
- For standard or interlock wall switch
- Output Power: 120W
- Working Temperature: -10°C ~ + 50°C
- Radio frequency: 433.92MHz
- Work with all Dooya emitters
- Pair and store up to 20 emitters
- Dimension: 48mm x 45mm x 23mm



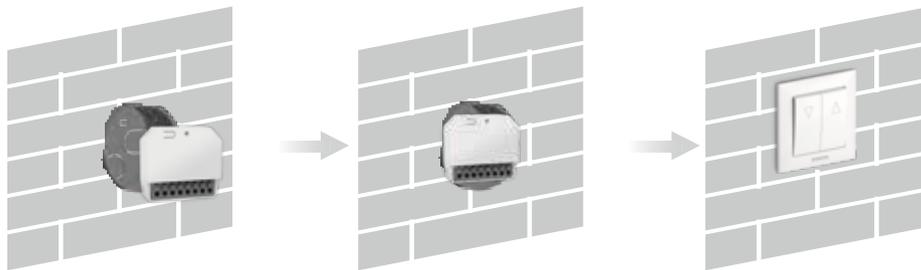
DD117C
Single - channel
Wireless Receiver

- One receiver per motor
- For motor up to 50N.m
- For standard or interlock wall switch
- Sensitive stall detection (by current)
- Percentage control
- Output power: 300W
- Pair and store up to 20 emitters
- Dimension: 48mm x 45mm x 23mm

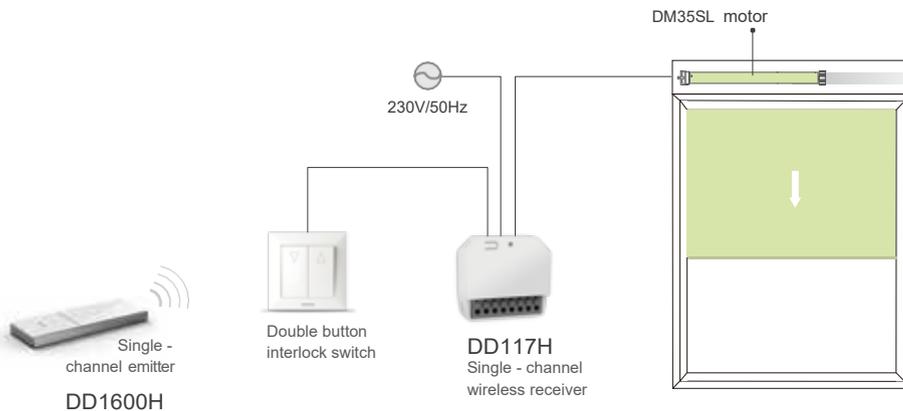


DD117H
Single - channel
Wireless Receiver

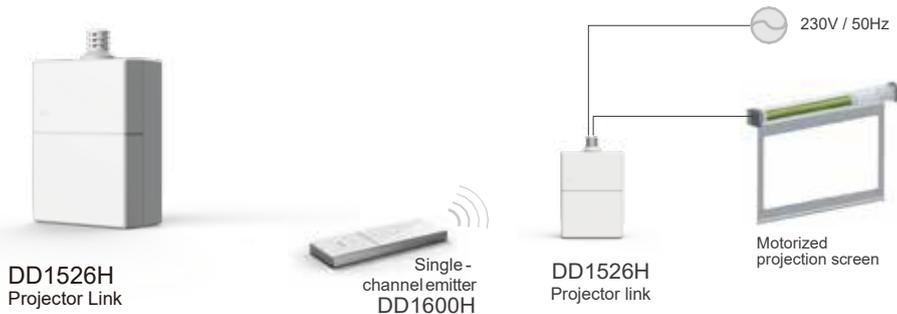
- One receiver per motor
- For motor up to 50N.m
- For standard or interlock wall switch
- Jog mode (tilt for venetian)
- Output Power: 300W
- Radio frequency: 433.92MHz
- Work with all Dooya emitters
- Dimension: 48mm x 45mm x 23mm



European Installation Method 80mmx80mm



CONTROL SYSTEM RECEIVERS



DD1526H
Projector Link

Single-
channel emitter
DD1600H

DD1526H
Projector link

Motorized
projection screen

- Maximum projector power: 1000W
- Auto-detect projector power status
- Radio Frequency: 433.92MHz
- Rated voltage: 230V/50Hz
- Working temperature : -10°C ~ 50°C



DD1620H
Wall-mount Receiver

Single-
channel emitter
DD1600H

DD1526H
Projectorlink

Motorized
projection screen

230V / 50Hz

DD1620H
Wall-mount
Receiver

- Photo-cell input
- One receiver per motor
- Compatible with iSW emitters
- Pair and store up to 20 emitters
- Additional IR receiver
- Radio Frequency : 433.92MHz
- Rated voltage: 230V/50Hz
- Working temperature : -10°C ~ 50°C

CONTROL SYSTEM SWITCHES / REPEATER



DC2600
Single - channel
Pushbutton Switch

- Tempered glass and UV covered button
- Max 100 N.m tubular motor
- Working temperature: -20°C ~ +55°C
- Dimension: 86mm×86mm



DC2601
Double Button
Interlock Switch

- Tempered glass and UV covered button
- Max 100 N.m tubular motor
- Working temperature: -20°C ~ +55°C
- Dimension: 86mm×86mm



DC2602
Double Button
Pushbutton Switch

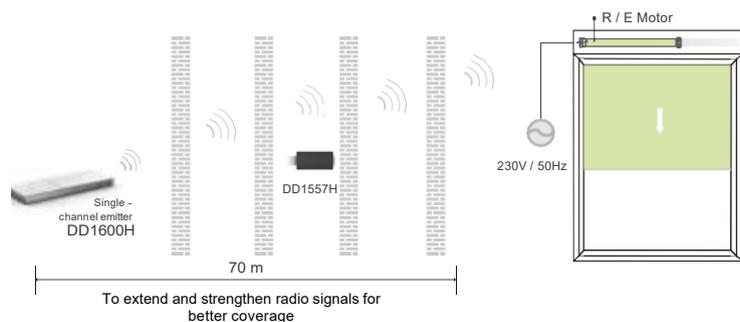
- Tempered glass and UV covered button
- Max 100 N.m tubular motor
- Working temperature: -20°C ~ +55°C
- Dimension: 86mm×86mm

RF Repeater



DD1557H
Repeater

- Input voltage: USB DC5V
- Radio Frequency: 433.925MHz
- Working current: ≤20mA
- Working temperature:
-5°C ~ 50°C



BATTERY PACK & SOLAR PANEL



DC1276
12V Rechargeable Battery Wand

- For all DOOYA DC motor(<12V,20W)
- Power: 11.1V 2.6Ah
- Working life: 600 times
- Dimension: 225mm×27.5mm×27.5mm



DC1289A
Solar Panel

- Output voltage: 12.6V 35135 charging
- Output power: 3W
- Working temperature: 0°C ~ +50°C
- Service life: 5 years
- Dimension: 475mm×52mm×11mm



DC1288H / DC1288I
Solar Panel

- Output voltage: 5V USB charging
- Output power: 3W
- Working temperature: 0°C ~ +50°C
- Service life: 5 years
- Dimension: 475mm×52mm×11mm

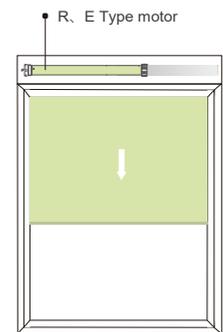
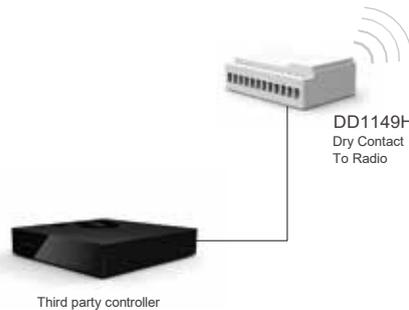


CONTROL SYSTEM DRY CONTACT TO RADIO



DD1149H
Dry Contact To Radio

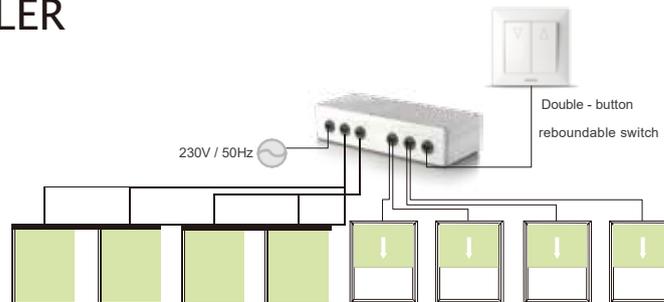
- Connect with external mains voltage or dry-contact switch
- Radio Range: 200 meters outdoor, 35 meters indoor
- Power supply: 12V/ 24V
- Transmitting Frequency: 433.92MHz ± 100KHz
- Working temperature: -10°C ~ + 50°C



GROUP CONTROLLER



DC550
8 - channel group controller



- DC550 is a 8 - channel group controller, which can be used for indoor roller blinds, indoor Venetian blinds, indoor wooden Venetian blinds, hollow aluminum Venetian blinds, indoor honeycomb blinds / pleated blinds, indoor sheer blinds and indoor Roman blinds.
- Can control 8 AC motors at the same time
- Match all mechanic switches
- Match all motors without integrated radio control
- Working temperature: -20°C ~ +55°C
- Dimension: 260mm x 111mm x 57mm

Optional Controller



DC80
4 - channel group controller

- Max 60N.m×4 units tubular motors



DC173
2 - channel group controller

- Specialized outdoor water - proof group controller
- Max 60N.m×2 units tubular motors



DC134
4 - channel group controller

- Specialized outdoor water - proof group controller
- Max 60N.m×2 units tubular motors



DC509
4 - channel group controller

- Max 60N.m×2 units tubular motors



DC516
4 - channel group controller

- Max 60N.m×3 units tubular motors

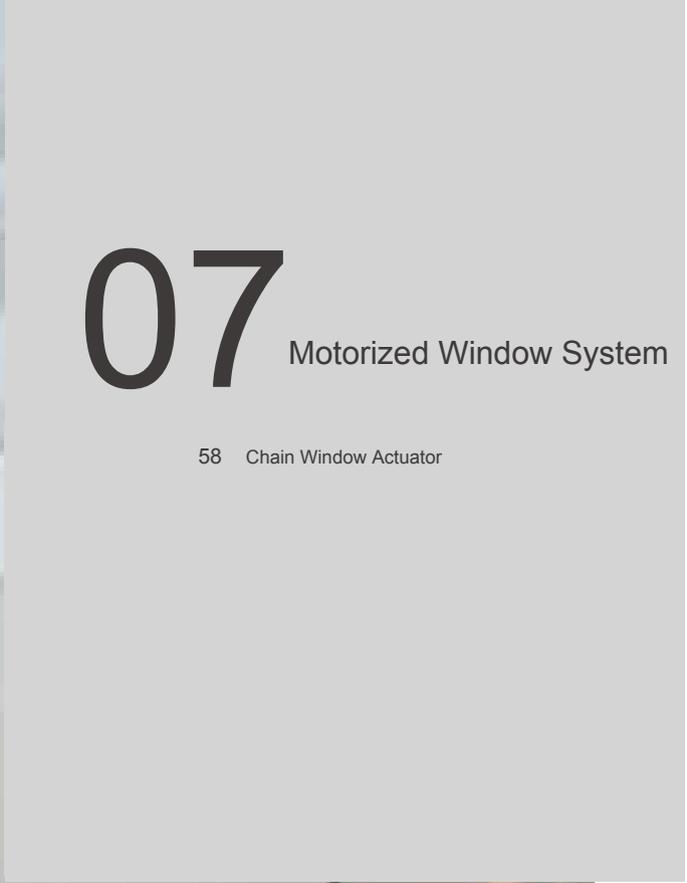


DC517
3 - channel group controller

- Max 60N.m×4 units tubular motors

07 Motorized Window System

58 Chain Window Actuator



Motorised Window Opener Solution



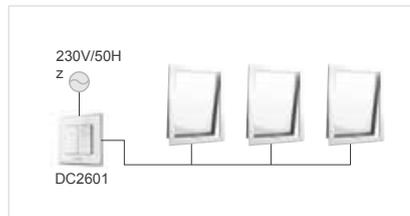
More
References:

DJ51TS

CHAIN WINDOW ACTUATOR

DJ51TSDJ51TS

Chain, AC
100-240V
50/60HZ



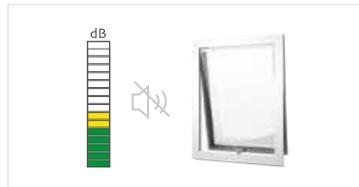
Multi-motors With One Switch



Multiple Installation Options

FEATURES::

- Chain Actuator
- AC 100-240V 50/60Hz
- Multi-motors With One
- Switch Multiple Installation
- Options Stall Protection



Low Noise



		Force (N)	Stroke (mm)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Working Temperature (°C)	Length L (mm)
DJ51TS-400/300	100-240V 50/60Hz	400	300	0.18	23	IP55	-10°C~50°C	537

Note: Above-listed are common information for reference. Please consult iSmart Window export team for technical details or customization specs.



08

Product
Parameter

- 61 DVSeries
- 62 DT Series
- 64 DB Series
- 65 LE/LEU Series
- 66 CE/TE Series
- 67 S Series
- 68 R Series





		Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	L (mm)	Certification
6V												
DV33NE/S	DV33NE/S-0.2/30	0.2	30	433±	0.27	2	IP20	/	>6	0°C ~40°C	205	CE

Note: Above-listed are common information for reference. Please consult iSmart Window export team for technical details or customization specs.

PRODUCT PARAMETER



		Rated Torque (Nm)	Runing Speed (cm/s)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Maximum Load (kg)	Certification
100-240V 50/60Hz												
DT72	DT72TS-1.2/14	1.2	14	/	0.14	13	IP20	∞	>4	0°C~40°C	50	CE
	DT72TV-1.2/14	1.2	14	433 [±]	0.16	16	IP20	∞	>4	0°C~40°C	50	
	DT72TV/IP-1.2/14	1.2	14	433 [±]	0.14	13	IP20	∞	>4	0°C~40°C	50	
	DT72TV/S-1.2/14	1.2	14	433 [±]	0.16	16	IP20	∞	>4	0°C~40°C	50	
14.8V												
DT72LE	DT72LE-1.2/20	1.2	20	433 [±]	0.16	16	IP20	∞	>4	0°C~40°C	50	CE
230V/50Hz												
DT72EV	DT72EV-45/20	0.8	20	433 [±]	0.23	45	IP20	∞	>4	0°C~40°C	50	CE
	DT72EV-75/20	1.2	20	433 [±]	0.34	75	IP20	∞	>4	0°C~40°C	100	



100-240V 50/60Hz

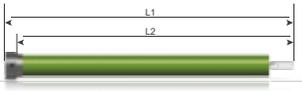
	Rated Torque (Nm)	Runing Speed (cm/s)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	Maximum Load (kg)	Certification
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DT82	DT82TS-1.2/14	1.2	14	/	0.14	10	IP20	∞	>4	0°C~40°C	50	CE
	DT82TV-1.2/14	1.2	14	433±	0.14	13	IP20	∞	>4	0°C~40°C	50	
	DT82TV/P-1.2/14	1.2	14	433±	0.14	13	IP20	∞	>4	0°C~40°C	50	
	DT82TF-1.2/14	1.2	14	433±	0.14	13	IP20	∞	>4	0°C~40°C	50	
	DT82TN-1.2/14	1.2	14	433±	0.14	13	IP20	∞	>4	0°C~40°C	50	

14.8V

DT82	DT82LE-1.2/20	1.2	20	433±	1.10	16	IP20	∞	>4	0°C~40°C	50	CE
	DT82LF-1.2/20	1.2	20	433±	1.10	16	IP20	∞	>4	0°C~40°C	50	

Note: Above-listed are common information for reference. Please consult iSmart Window export team for technical details or customization specs.



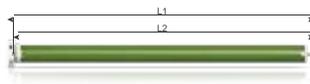
		Rated Torque (Nm)	Rated Speed (Rpm)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	L1/L2 (mm)	Certification
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24V

DM25DS (Φ25)	DM25DS-1/32	1	32	0.38	9	IP20	25	>6	0°C~40°C	311/301	CE
DM25DB (Φ25)	DM25DB-1.1/40	1.1	40	0.41	9.7	IP44	∞	>6	0°C~40°C	304/284	

Note: Above-listed are common information for reference. Please consult iSmart Window export team for technical details or customization specs.

PRODUCT PARAMETER

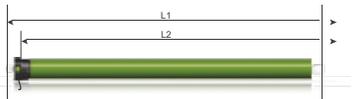


Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	L1/L2 (mm)	Certification
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12V

DM25LE (φ25)	DM25LE-1.1/40	1.1	40	433±	0.87	10	IP20	∞	>6	0℃~40℃	503/491	
DM28LE (φ28)	DM28LEQ-2/28	2	28	433±	1.10	13	IP20	∞	>6	0℃~40℃	642/630	
DM35LE (φ35)	DM35LE-3/28	3	28	433±	2.20	26	IP20	∞	>6	0℃~40℃	654/637	
DM45LE (φ45)	DM45LEQ-3/28	3	28	433±	2.10	25	IP20	∞	>6	0℃~40℃	812/793	
	DM45LEQ-10/9	10	9	433±	2.20	26	IP20	∞	>6	0℃~40℃	812/793	
	DM45LE-20/10	20	10	433±	4.10	50	IP20	∞	>6	0℃~40℃	812/793	

Note: Above-listed are common information for reference. Please consult iSmart Window export team for technical details or customization specs.



		Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	L1/L2 (mm)	Certification
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12V

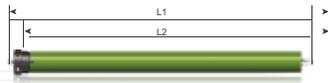
DM25CE (φ25)	DM25CE/S-0.7/34	0.7	34	433±	0.43	7	IP20	∞	>6	0°C~40°C	296/285	
	DM25CE/S-1.1/40	1.1	40	433±	0.83	10	IP20	∞	>6	0°C~40°C	296/285	
	DM25CE/S-1.5/32	1.5	32	433±	1.00	10	IP20	∞	>6	0°C~40°C	296/285	
DM28CEQ (φ28)	DM28CEQ-2/28	2	28	433±	1.10	13	IP20	∞	>6	0°C~40°C	430/418	

100-240V 50/60Hz

DM25TE (φ25)	DM25TE-0.7/3	0.7	34	433±	0.09	10	IP20	∞	>6	0°C~40°C	433/421	
	DM25TE-1.5/32	1.5	32	433±	0.15	13	IP20	∞	>6	0°C~40°C	443/431	
DM28TEQ (φ28)	DM28TEQ-2/28	2	28	433±	0.16	18	IP20	∞	>6	0°C~40°C	643/631	

Note: Above-listed are common information for reference. Please consult iSmart Window export team for technical details or customization specs.

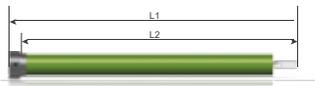
PRODUCT PARAMETER



		Rated Torque (Nm)	Rated Speed (Rpm)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	L1/L2 (mm)	Certification
230V / 50Hz											
DM35S (Φ35)	DM35S-6/28	6	28	0.53	121	IP44	36	>4	-10°C~50°C	445/417	
	DM35S-10/17	10	17	0.53	121	IP44	36	>4	-10°C~50°C	445/417	
	DM35S-13/14	13	14	0.53	121	IP44	36	>4	-10°C~50°C	445/417	
DM35SL (Φ35)	DM35SL-6/28	6	28	0.67	144	IP44	36	>4	-10°C~50°C	514/487	
	DM35SL-10/17	10	17	0.67	144	IP44	36	>4	-10°C~50°C	514/487	
DM35SD (Φ35)	DM35SD-10/17	10	17	0.53	121	IP44	36	>4	-10°C~50°C	395/368	

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PRODUCT PARAMETER



		Rated Torque (Nm)	Rated Speed (Rpm)	Radio Frequency (MHz)	Rated Current (A)	Rated Power (W)	Degree Of Protection (IP)	Maximum Limit Turn (turn)	Running Time (min)	Working Temperature (°C)	L1/L2 (mm)	Certification
230V / 50Hz												
DM35R (Φ35)	DM35R-6/28	6	28	433 _±	0.53	121	IP44	36	>4	-10°C~50°C	594/567	
	DM35R-10/17	10	17	433 _±	0.53	121	IP44	36	>4	-10°C~50°C	594/567	
	DM35R-13/14	13	14	433 _±	0.53	121	IP44	36	>4	-10°C~50°C	594/567	
DM35RL (Φ35)	DM35RL-6/28	6	28	433 _±	0.63	144	IP44	36	>4	-10°C~50°C	594/567	
	DM35RL-10/17	10	17	433 _±	0.63	144	IP44	36	>4	-10°C~50°C	594/567	
DM35RQ (Φ35)	DM35RQ-4/28	4	28	433 _±	0.57	133	IP44	36	>4	-10°C~50°C	613/587	
	DM35RQ-6/20	6	20	433 _±	0.57	133	IP44	36	>4	-10°C~50°C	613/587	
	DM35RQ-8/15	8	17	433 _±	0.57	133	IP44	36	>4	-10°C~50°C	613/587	

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CHNNZ Smart Home Co. Ltd T/A

iSmart Window

Phone:

022 4118500

Address:

Manukau

Auckland

New Zealand

Email:

info@ismartwindow.co.nz

Web:

www.ismartwindow.co.nz