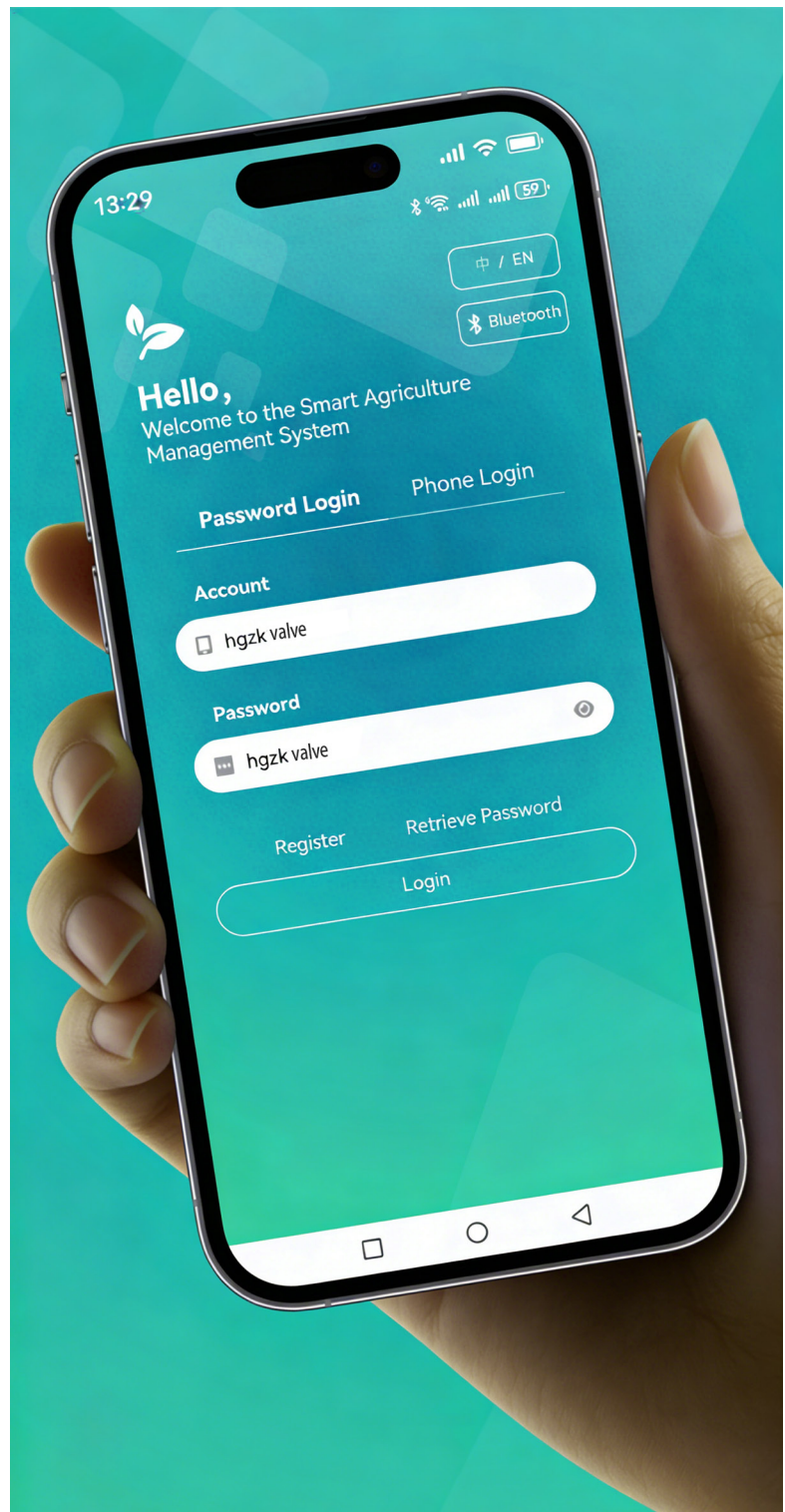


# SOLAR ELECTRIC VALVE



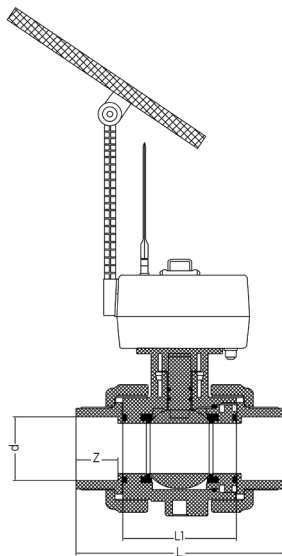
*With APP control,  
efficient and simple.*

- No need for grid electricity or air supply. Powered by solar energy storage and managed remotely via APP, we provide you with a low-cost, highly adaptable automation control solution that simplifies fluid management under demanding conditions.



**HGZK**  
**PRODUCT FEATURES**

# SOLAR ELECTRIC BALL VALVE



## Product Features

### 1 Energy Self-Sufficiency for Areas without Power Grid

- Powered by solar energy storage, ideal for remote locations or areas without grid access.
- Provides an alternative solution for sites with insufficient or no air supply, replacing pneumatic valves and reducing dependence on auxiliary infrastructure.

### 2 Intelligent Control with Remote Management

- Supports remote operation via APP or mini-program for real-time monitoring and control.
- Built-in 4G intelligent waterproof module ensures stable signal and reliable operation in outdoor or harsh environments.

### 3 Robust Structure for Superior Pressure Resistance

- Features a UPVC pressure-resistant union ball valve at the bottom for flexible installation and durability.
- Full-port design minimizes flow resistance and improves medium passage efficiency.
- Thickened wall enhances pressure capacity, making it suitable for various demanding working conditions.

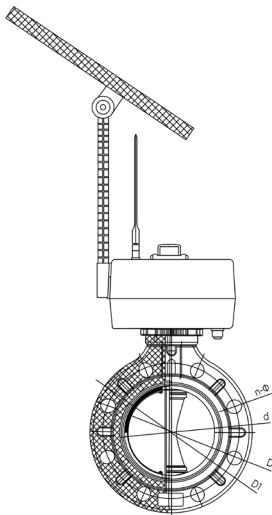
### 4 Robust Structure for Superior Pressure Resistance

- UPVC pressure-resistant union, full-flow thickened wall design, strong pressure resistance, suitable for harsh conditions.

## DIMENSIONS (mm)

DN	d						Z	L	L1	Minimum valve thickness	Work press		
	Socket end			Thread end							Mpa		
	DIN	JIS	ANSI	DIN	JIS	ANSI					PPH	UPVC	PVDF
15	20	22	21.3	Rc1/2	PT1/2	NPT1/2	18	108	62	5.5	1.0	1.6	1.6
20	25	26	26.7	Rc3/4	PT3/4	NPT3/4	22	125	69	7	1.0	1.6	1.6
25	32	32	33.4	Rc1	PT1	NPT1	27	138	76	7.5	1.0	1.6	1.6
32	40	38	42.2	Rc1-1/4	PT1-1/4	NPT1-1/4	30	160	85	9	1.0	1.6	1.6
40	50	48	48.3	Rc1-1/2	PT1-1/2	NPT1-1/2	35	177	92	10	1.0	1.6	1.6
50	63	60	60.3	Rc2	PT2	NPT2	40	206	113	11.4	1.0	1.6	1.6
65	75	76	73	Rc2-1/2	PT2-1/2	NPT2-1/2	51	265	135	11.5	1.0	1.0	1.0
80	90	89	88.9	Rc3	PT3	NPT3	52	295	154	12.5	1.0	1.0	1.0
100	110	114	114.3	Rc4	PT4	NPT4	60	330	175	13	1.0	1.0	1.0

# SOLAR ELECTRIC PLASTIC BUTTERFLY VALVE



## Product Features

### 1 Energy Self-Sufficiency for Areas without Power Grid

- Powered by solar energy storage, ideal for remote locations or areas without grid access.
- Provides an alternative solution for sites with insufficient or no air supply, replacing pneumatic valves and reducing dependence on auxiliary infrastructure.

### 2 Intelligent Control with Remote Management

- Supports remote operation via APP or mini-program for real-time monitoring and control.
- Built-in 4G intelligent waterproof module ensures stable signal and reliable operation in outdoor or harsh environments.

### 3 Optimized Seat Design for Leak-Free Sealing

- Improved valve seat design significantly enhances sealing performance, ensuring zero media leakage.
- Suitable for applications with strict sealing requirements, improving system safety and reliability.

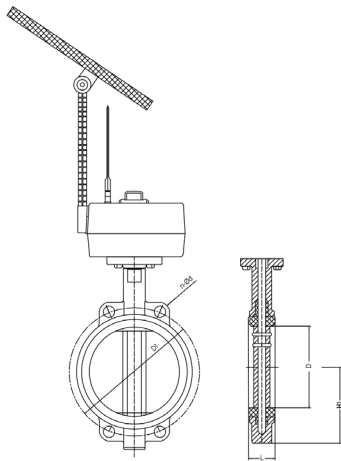
### 4 Reinforced Structure for Demanding Conditions

- Thickened wall enhances pressure capacity, making it suitable for various demanding working conditions.
- Special optimization for stress concentration areas effectively enhances durability under high pressure, vibration, and other harsh conditions.

## DIMENSIONS (mm)

DN	d	D			D1	L	n			Working pressure (Mpa)
		GB/DIN	JIS	ANSI			GB/DIN	JIS	ANSI	
25	35	85	90	79	125	37	4	4	4	1.0
32	35	100	100	89	125	37	4	4	4	1.0
40	47	110	105	98	145	38	4	4	4	1.0
50	56	125	120	121	160	40	4	4	4	1.0
65	71	145	140	140	180	45	4	4	4	1.0
80	85	160	150	152	195	46	8	8	4	1.0
100	105	180	175	190	225	55	8	8	8	1.0
125	131	210	210	216	255	62	8	8	8	0.6
150	153	240	240	241	285	67	8	8	8	0.6

# SOLAR ELECTRIC BUTTERFLY VALVE



## Product Features

### 1 Energy Self-Sufficiency for Areas without Power Grid

- Powered by solar energy storage, ideal for remote locations or areas without grid access.
- Provides an alternative solution for sites with insufficient or no air supply, replacing pneumatic valves and reducing dependence on auxiliary infrastructure.

### 2 Intelligent Control with Remote Management

- Supports remote operation via APP or mini-program for real-time monitoring and control.
- Built-in 4G intelligent waterproof module ensures stable signal and reliable operation in outdoor or harsh environments.

### 3 High Temperature Resistance for Extreme Conditions

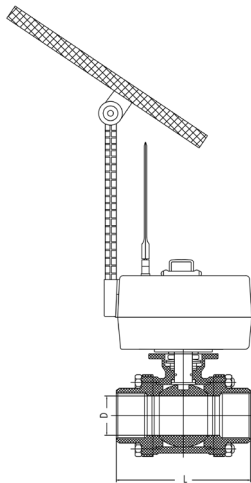
- Features a cast iron butterfly valve at the bottom, offering significantly enhanced temperature resistance and a wider operating temperature range.
- Suitable for extreme high-temperature or low-temperature conditions, meeting diverse industrial requirements.

## DIMENSIONS (mm)

DN	Outline size		Connecting size		
	L	H1	D	D1	n-Ød
50	42	68	52.9	120	4-23
65	44.7	75	64.5	136.2	4-26.5
80	45.2	93	78.8	160	8-18
100	52.1	104	104	185	4-24.5
125	54.4	118	123.3	215	4-23
150	55.8	133	155.6	238	4-25

# SOLAR ELECTRIC 3-PIECE BALL VALVE

## Product Features



### 1 Energy Self-Sufficiency for Areas without Power Grid

- Powered by solar energy storage, ideal for remote locations or areas without grid access.
- Provides an alternative solution for sites with insufficient or no air supply, replacing pneumatic valves and reducing dependence on auxiliary infrastructure.

### 2 Intelligent Control with Remote Management

- Supports remote operation via APP or mini-program for real-time monitoring and control.
- Built-in 4G intelligent waterproof module ensures stable signal and reliable operation in outdoor or harsh environments.

### 3 Three-Piece Structure, Corrosion-Resistant and Easy to Maintain

- Features a three-piece stainless steel body with excellent corrosion resistance, suitable for various complex media.
- Can be disassembled for maintenance without removing the entire valve from the pipeline, greatly simplifying servicing.
- Simple structure and compact design save installation space and facilitate system layout.

## DIMENSIONS (mm)

NPS	DN	L	D
1/4"	6	72	11
3/8"	10	72	12
1/2"	15	62	15
3/4"	20	71	20
1"	25	77	25
1-1/4"	32	92	32
1-1/2"	40	101	38
2"	50	122	48

# SOLAR ELECTRIC 3-WAY BALL VALVE

## Product Features



### 1 Energy Self-Sufficiency for Areas without Power Grid

- Powered by solar energy storage, ideal for remote locations or areas without grid access.
- Provides an alternative solution for sites with insufficient or no air supply, replacing pneumatic valves and reducing dependence on auxiliary infrastructure.

### 2 Intelligent Control with Remote Management

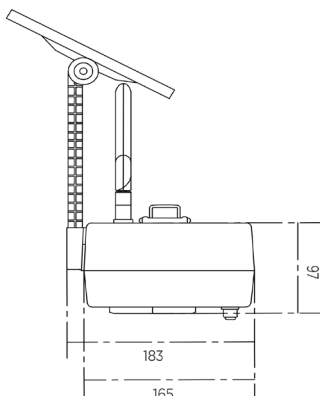
- Supports remote operation via APP or mini-program for real-time monitoring and control.
- Built-in 4G intelligent waterproof module ensures stable signal and reliable operation in outdoor or harsh environments.

### 3 Multi-Functional Design for Space and Cost Savings

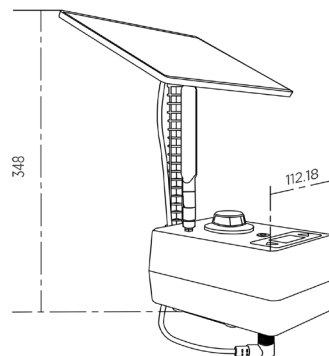
- 3-way plastic body design allows one valve to switch between two flow patterns.
- Replaces traditional configurations requiring two ball valves and one tee, simplifying pipeline layout.
- Creates a more compact system, significantly saving installation space and reducing material costs—an economical and efficient fluid control solution.

## ACTUATOR EXTERNAL DIMENSIONS (mm)

Side View



Solar Panel Adjustment Angle 45°



Solar Panel Adjustment Angle 90°

