

GATE AUTOMATION

SLIDING GATE **MOTORS**

600 kg – 3400 kg

One complete range — from residential driveways to the heaviest industrial gates.

DC SERIES · 24 V

AC SERIES · 230 V

BLDC · INTENSIVE USE

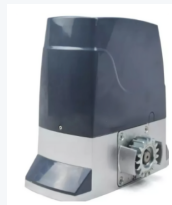
INDUSTRIAL · 3-PHASE



ADVANCE AC



AC SERIES



DC SERIES



INDUSTRIAL



BLDC SERIES

The SIE Sliding Gate Range

Sliding gates are a mix of convenience and automation — and the right motor makes all the difference. SIE gate openers use a proven **rack-and-pinion drive** to run gates open and closed smoothly, with models covering every gate weight from **600 kg to 3400 kg**. Open with a touch — remote, smartphone or access control — while die-cast construction, integrated safety and SIE's 45+ years of entrance-automation expertise protect your entrance cycle after cycle.

600–3400 kg

Gate Weight Range

2–11 m

Gate Lengths Covered

4

Motor Technologies

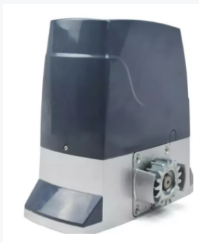
45+

Years of Expertise

Two Ranges — AC & DC

DC Motor Range

HEAVY VEHICLE FLOW



24 V DC drives run far longer than AC motors — where an AC motor heats up and must cool down, a DC motor keeps working. The choice for gates with heavy vehicle traffic: commercial buildings, industrial gates, malls and busy societies. Includes brushless (BLDC) intensive-use models.

Capacity: 1000 – 3000 kg · **Models:** SIE-DC1000 to SIE-DC3000 · SIE-BLDC series

AC Motor Range

RESIDENTIAL & COMMERCIAL



Single-phase 230 V AC operators — dependable, low-maintenance automation for gates from 2 m to 11 m. Copper worm gearbox, die-cast aluminium body and rack-and-gear transmission for years of trouble-free daily use. Includes the compact Advance AC models, with industrial 3-phase and oil-immersed AC motors extending the range to 3400 kg.

Capacity: 600 – 2500 kg · up to 3400 kg (industrial) · **Models:** SIE-SL600 to SIE-SL2500 · SIE-ADV600/1000 · SIE-IND series

Key Features — Across the Range

Die-Cast Aluminium Body

High-pressure die-cast alloy housing, weather-resistant and built for Indian conditions.

Copper Worm Gear Box

Copper worm-gear transmission for a longer life span of both motor and gate.

Manual Release (EMR)

Key-operated release lets you slide the gate by hand during a power failure; safety inputs for photocells & loop detectors.

Smart Home Ready

Home automation, Google Alexa via Wi-Fi module, Bluetooth app, UPS backup, auto-close timer and auto-sense car module.

AC Series · SIE-SL Models · 600 – 2500 kg

Single-phase 230 V AC operators for residential and commercial sliding gates measuring 2–11 m. Rack-and-gear drive, copper worm gearbox and die-cast aluminium body — five capacities from 600 kg to 2500 kg.

PARAMETER	SIE-SL600	SIE-SL1000	SIE-SL1500	SIE-SL2000	SIE-SL2500
Power Supply	230 V AC	230 V AC	230 V AC	230 V AC	230 V AC
Capacity	600 kg	1000 kg	1500 kg	2000 kg	2500 kg
Motor Power	280 W	400 W	550 W	750 W	on request
Output Torque	16 N·m	22 N·m	32 N·m	45 N·m	on request
Gate Moving Speed	13 m/min	11–13 m/min	11–13 m/min	11–13 m/min	11–13 m/min
Work Duty	50%				
Limit Switch	Magnetic				
Remote Range / Max Remotes / Frequency	> 30 m · up to 20 remotes · 433.92 MHz				
Noise Level	≤ 58 dB	≤ 60 dB	≤ 60 dB	≤ 60 dB	≤ 60 dB
Working Temperature	–25 °C ~ +55 °C	–20 °C ~ +70 °C	–20 °C ~ +70 °C	–20 °C ~ +70 °C	–20 °C ~ +70 °C
Unit Weight	9 kg	13 kg	15 kg	16 kg	on request

AC Series highlights: EMR manual release in power failure · home automation & Google Alexa (Wi-Fi module) · UPS power backup support · adjustable auto-close · over-heat protection · adjustable torque · auto-sense car module & loop detector options.

Advance AC Series · SIE-ADV Models

The Advance AC operator brings a sleek, compact design with the same dependable 230 V AC rack-and-pinion platform — magnetic limits, EMR manual release and full accessory compatibility. Available in two capacities for residential gates.

SIE-ADV600	ADVANCE AC
Capacity	600 kg
Power Supply	230 V AC
Ideal For	Homes & villas

SIE-ADV1000	ADVANCE AC
Capacity	1000 kg
Power Supply	230 V AC
Ideal For	Premium residences

Detailed Advance AC datasheet available on request from your SIE dealer.



DC Series · SIE-DC Models

24 V DC operators work longer than AC motors — no cool-down stops — making them the right choice for gates with heavy vehicle flow: commercial buildings, industrial gates, malls and large societies. Low-voltage drive also means smooth speed control and easy battery/UPS backup.

PARAMETER	SIE-DC1000	SIE-DC1200HS	SIE-DC1500	SIE-DC2000	SIE-DC3000
Capacity	1000 kg	1200 kg	1500 kg	2000 kg	3000 kg
Input Voltage	AC 220 V / 24 V				
Output Voltage	DC 24 V				
Rated Power	130 W	250 W	220 W	280 W	on request
Output Torque	21 N·m	30 N·m	29 N·m	47 N·m	on request
Rotation Speed	1500 rpm	2500 rpm	1500 rpm	1500 rpm	on request
Gate Speed	12 m/min	18 m/min	12 m/min	12 m/min	on request
Limit Switch	Magnetic				
Noise	≤ 50 dB				
Temperature	-45 °C ~ +75 °C				

SIE-DC1200HS is the high-speed model — 18 m/min for fast-moving entrances.

Brushless Intensive-Use · SIE-BLDC800

PARAMETER	SIE-BLDC800	PARAMETER	SIE-BLDC800
Power Supply	230 V / DC 24 V	Speed	12–22.5 m/min
Max. Load Weight	800 kg	Limit Switch	Magnetic
Usage	Intensive	Operating Cycles/Day	500
Protection / Reducer	IP44 · Irreversible	Exit Gear	M4 · 16 teeth
Operating Temp.	-20 °C ~ +50 °C	Weight	12 kg

Brushless advantages: better speed-to-torque characteristics · high dynamic response · high efficiency · long life (no brush friction) · noiseless operation · higher speed range. Ideal for apartments, malls and complexes with high-frequency vehicle movement.



SIE-BLDC800 — brushless intensive-use operator

Oil-Immersed Industrial Motor · SIE-OI2800

Industrial gates carry more weight and more cycles. SIE oil-immersed motors keep internal gears cooled and lubricated to minimise heating and wear, with a manual lever to release the gear and move the gate by hand during a power failure. Available in 220 V and 380 V.

PARAMETER	SIE-OI2800 (220 V)	SIE-OI2800 (380 V)
Max. Gate Weight	2800 kg	2800 kg
Motor Power	1200 W	1200 W
Output Torque	65 N·m	65 N·m
Gate Speed	10–13 m/min	10–13 m/min
Limit Switch	Spring Limit / Magnetic	
Remotes / Range / Freq.	25 remotes · ≥ 30 m · 433.92 MHz	
Noise / Temp. / Weight	≤ 56 dB · -20 °C ~ +70 °C · 20 kg	



Oil-immersed industrial motor



Lockable weather enclosure

Induction Motors · Frequency Drive (3-Phase)

PARAMETER	SIE-IND1500	SIE-IND2800	SIE-IND3400
Max. Load Weight	1400 kg	1000–2800 kg	3400 kg
Power Supply / Motor	230 V · 3-phase	230 V · 3-phase	230 V · 3-phase
Motor Power	750 W	1500 W	1500 W
Output Torque	—	—	90 N·m
Speed	12–22.5 m/min	12–22.5 m/min	13–24 m/min
Usage Frequency	80%	80%	100 cycles/day
Protection / Reducer	IP44 · Irreversible · Magnetic limit · Frequency-drive control unit		
Operating Temp. / Weight	-20~+50 °C · 18 kg	-20~+50 °C · 19 kg	-20~+50 °C · 18 kg

Frequency-drive advantages: large starting torque without heating · continuous long-time operation · stable running with excellent deceleration on heavy gates · adjustable speed with high-speed function · extra-large capacitors for continuous power · LED display for easy programming · accurate magnetic limit positioning.



Heavy industrial sliding gate — up to 3400 kg with SIE induction drive



SIE-IND3400 — 3400 kg induction motor

One Partner for Every Gate

SIE supplies motors, complete hardware kits and accessories for every common gate configuration — sliding, cantilever, telescopic, curved and swing. Whatever your site demands, we have the automation and the fittings to match.



Residential sliding gate



Cantilever gate leaves



Heavy industrial sliding gate

Cantilever Gate

NO FLOOR TRACK



The leaf floats clear of the ground on carriage trolleys — no rail across the driveway. Ideal for sloped or busy entrances and a clean, premium look.

SIE supplies: cantilever carriages & profile, end wheels, guide rollers, stoppers, gear racks and motors sized for the extra leaf weight.

Telescopic Gate

SHORT RUN-BACK



Two or more overlapping leaves move together and stack behind each other — covering a wide opening in roughly half the parking space.

SIE supplies: telescopic pulley & wire-rope kits, twin-leaf tracks and rollers, interlock hardware and synchronised drives.

Curved Sliding Gate

FOLLOWS THE WALL

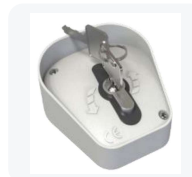


A radiused leaf slides on a curved track that follows a circular driveway or angled compound wall — automation without redesigning the entrance.

SIE supplies: curved (radius) track sections, curved gear racks, matching guide rollers and posts, and motors tuned for arc travel.

Swing Gate

CLASSIC TWO-LEAF



Traditional hinged leaves automated with arm or underground operators — the elegant choice for villas and heritage entrances with room for the swing arc.

SIE supplies: swing gate operators (arm & underground), heavy-duty hinges, electric locks, key selectors, photocells and access control.

Not sure which configuration fits your site?

Share your opening width, run-back space and gate weight — our engineers will recommend the right system, free of charge.

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info@smartie.in

Genuine SIE Accessories

Complete your installation with matched hardware, safety and access-control accessories — every item tested with SIE drives for a reliable, long-lasting system.



Galvanised Gear Rack

30 × 12 mm steel rack with bolts & spacers, per metre.



Rack Mounting Kit

32 mm standoff bolts for true rack-to-pinion alignment.



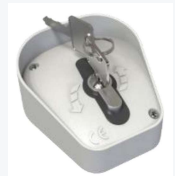
Safety Photocells

IR beam pair stops & reverses the gate if blocked.



Warning Lamp

Flashing lamp with antenna signals gate movement.



Key Selector

Keyed wall switch for secure manual operation.



Manual Switch

Open / stop / close push-button station.



Auto-Sense Car Module

Opens automatically for your authorised car.



Remotes & Mounting Kit

433.92 MHz rolling-code remotes, brackets & fasteners.



Industrial Gate Wheels

Heavy-load V-groove wheels in bracket housings.



Floor Track

Galvanised V / round track for sliding leaves.



Guide Rollers

Top guide roller brackets keep the leaf true.



End Stops & Posts

Positive end stops for safe travel limits.

Access Control & Smart Options

 **Fingerprint Access**

 **Password Keypad**

 **RFID Card Access**

 **Bluetooth App Control**

 **Wi-Fi Module (Alexa)**

 **Face Recognition**

 **Voice Command**

 **Vehicle Detect / Loop**

 **UPS Power Backup**

 **GSM / Mobile Control**

 **Electric Locks**

 **USB Module**



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Specifications are indicative and subject to change without notice as part of continuous product improvement. A separate price list is available on request from your SIE dealer.