G580 / G580M — Versatile Vector & Solar Pump Drive

Flagship multi-purpose drive with classic blue band and solar MPPT.



G580M vector & solar drive · 4–37 kW

Power range	**4–37 kW**
Voltage	**220 / 380 V**
Enclosure	**IP20 · Wall Mount**
Certification	**CE LVD/EMC · ISO 9001**

At a glance

- High MPPT tracking efficiency exceeding 95% under dynamic solar irradiance
- Dual-mode support: operates directly on solar DC or AC grid power
- Automatic dry-run, low-sunlight sleep, and water level detection logic
- Pre-loaded motor parameters tailored to surface and submersible pumps
- One-key parameter recovery after a board swap — the pump station is back in a single keypress
- Over-temperature automatic frequency reduction instead of a hard trip on a hot afternoon

Electrical envelope

Parameter	Listed value
Rated power	4.0–37 kW (other frames quoted on request)
Input voltage	Single-phase 220 V / Three-phase 380 V
Output voltage	Three-phase 0–380 V
Control modes	V/F · Sensorless Vector Control (SVC) · Closed-loop Vector (VC) · MPPT

Parameter	Listed value
Motor types	Standard and multi-frequency AC asynchronous induction motors
MPPT efficiency	≥ 95%
Overload	150% rated current for 60 s on the G rating
Protection	Over-voltage, over-current, over-temperature automatic frequency reduction
Operator interface	Visual keypad, one-key parameter recovery after a board swap
Typical applications	Irrigation and solar pumping · Pump control · Fan control · Conveying · Textile · Food and beverage
Certifications	CE LVD/EMC, ISO 9001
MOQ	1 piece

Frames and packages

Model	Rating	Dimensions	Packing
G580M-4T4.0G	4.0 kW	245 × 120 × 173 mm	290 × 185 × 240 mm
G580M-4T7.5G	7.5 kW	245 × 120 × 173 mm	290 × 185 × 240 mm
G580M-4T15G	15 kW	320 × 203 × 205 mm	390 × 290 × 290 mm
G580M-4T22G	22 kW	320 × 203 × 205 mm	390 × 290 × 290 mm
G580M-4T37G	37 kW	440 × 256 × 230 mm	520 × 350 × 310 mm

How to read this sheet. Ratings, currents and dimensions are reproduced from the manufacturer's own selection sheet and are indicative. The binding specification is the one stated on the quotation and on the test sheet shipped with the unit. Model codes and frame variants beyond the table are quoted to order; where a duty point sits between two frames, send the load profile and the frame is confirmed in writing before the order.

Quotation and samples
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