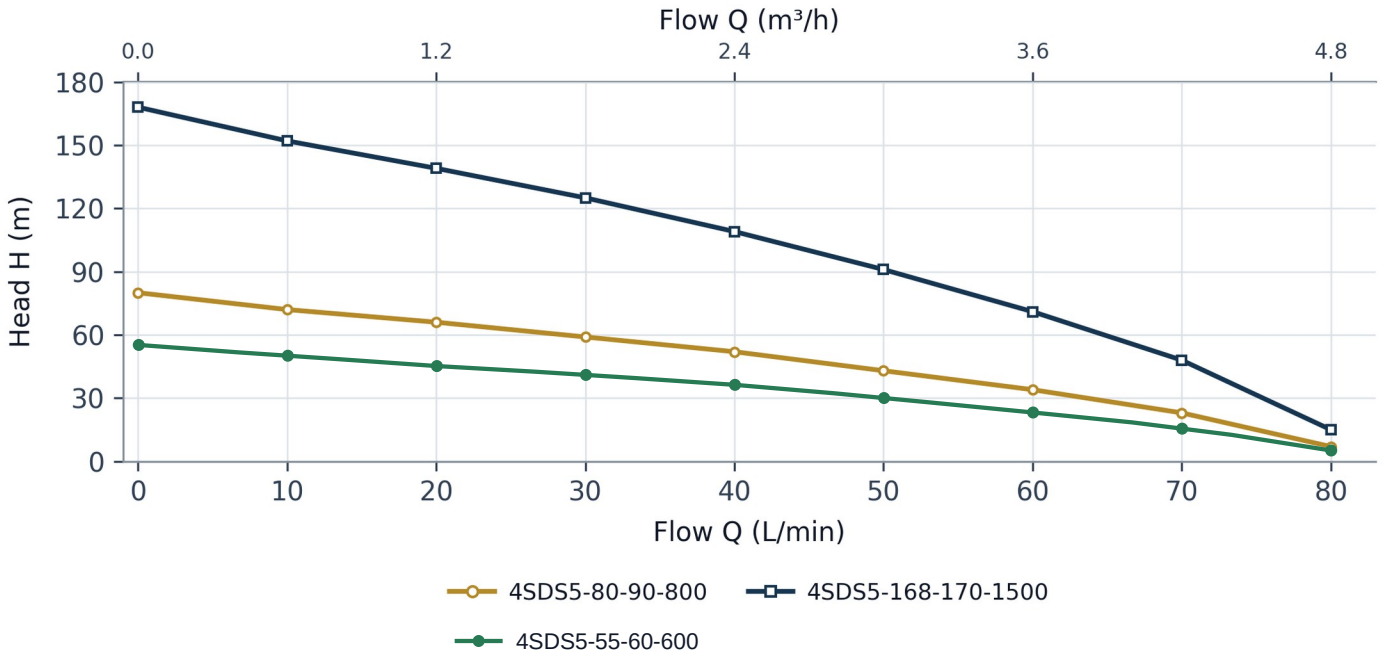
Solar borehole pump series

Sterling 4SDS5 | 600 W, 800 W and 1500 W | DC solar pumping

Hydraulic comparison of three models. Solar array and controller selection require separate electrical checks.

Flow and head comparison



Model ratings and published duty points

Exact model	Rated power	DC voltage (source)	Head at 20 L/min	Head at 40 L/min	Head at 60 L/min
4SDS5-55-60-600	600 W 0.8 HP	65-100 V	~45 m	~36 m	~23 m
4SDS5-80-90-800	800 W 1 HP	90-160 V	66 m	52 m	34 m
4SDS5-168-170-1500	1500 W 2 HP	150-240 V	139 m	109 m	71 m

Selection notes

Pump-label voltage ranges are not verified controller input limits. Confirm the exact controller, module Voc at the coldest design temperature, operating voltage, current limits and permitted PV power before choosing a panel string.

Do not size the array from pump watts alone. Flow varies with available solar power and total dynamic head. Maximum head and maximum flow are separate conditions, not a simultaneous duty.

Prepared by Waverley Plastics from supplier and nameplate data. Not a manufacturer-issued datasheet or test certificate.