

Electronic control for solar pumping

Applications

Water pumping by solar energy. Ideal for installations that are difficult to access, away from the power grid or to minimize the dependence of the power grid.

Operation

Helios: off-grid system that only uses energy from solar panels, adapting pump speed in accordance with the energy obtained from the sun.
 Helios H: hybrid system that uses the solar energy and another energy source. Compatible with any three-phase asynchronous pump (see voltages). IP 44 protection.
 System with solar panel power optimisation thanks to frequency variation (MPPT).
 Compact solution and easy installation and start-up.

Equipment

Dry work protection.
 Thermal protection.
 Anti-return diodes to protect the solar panels (hybrid system).
 Optional thermal drift compensation (loss of solar panel power due to increased ambient temperature).

Limitaciones

A filter must be installed for distances of over 50 metres.



Feature table

Model	Type	Features							Code
		Power up to [kW]*	Voltage in [Vac]	Voltage out [Vac]	Current [A]	Solar Input Voltage Range [Vdc]	Field power [kWp]	Thermal drift compensation [kWp]**	
Helios 75	Off-grid	0,75	2x230	3x230	5,0	260 - 390	2,64	0,33	209048
Helios 220	Off-grid	2,2	2x230	3x230	6,5	260 - 390	5,28	0,66	209049
Helios 400	Off-grid	4	3x400	3x400	9,0	460 - 790	10,56	-	209050
Helios 550	Off-grid	5,5	3x400	3x400	12,0	460 - 790	10,56	-	209051
Helios H 75	Hybrid	0,75	2x230	3x230	5,0	260 - 390	2,64	0,33	208817
Helios H 220	Hybrid	2,2	2x230	3x230	6,5	260 - 390	5,28	0,66	208818
Helios H 400	Hybrid	4	3x400	3x400	9,0	460 - 790	10,56	0,66	208819
Helios H 550	Hybrid	5,5	3x400	3x400	12,0	460 - 790	10,56	0,66	208820

(*) The driver is configured with maximum power; the current parameter must be changed for lower powers.

(**) Thermal drift compensation is optional. Accessories included in hybrid models.

Dimension

Model	A	B	C
Helios 75	360	270	180
Helios 220	360	270	180
Helios 400	360	270	180
Helios 550	360	360	180
Helios H 75	360	270	180
Helios H 220	360	270	180
Helios H 400	360	270	180
Helios H 550	360	360	180

