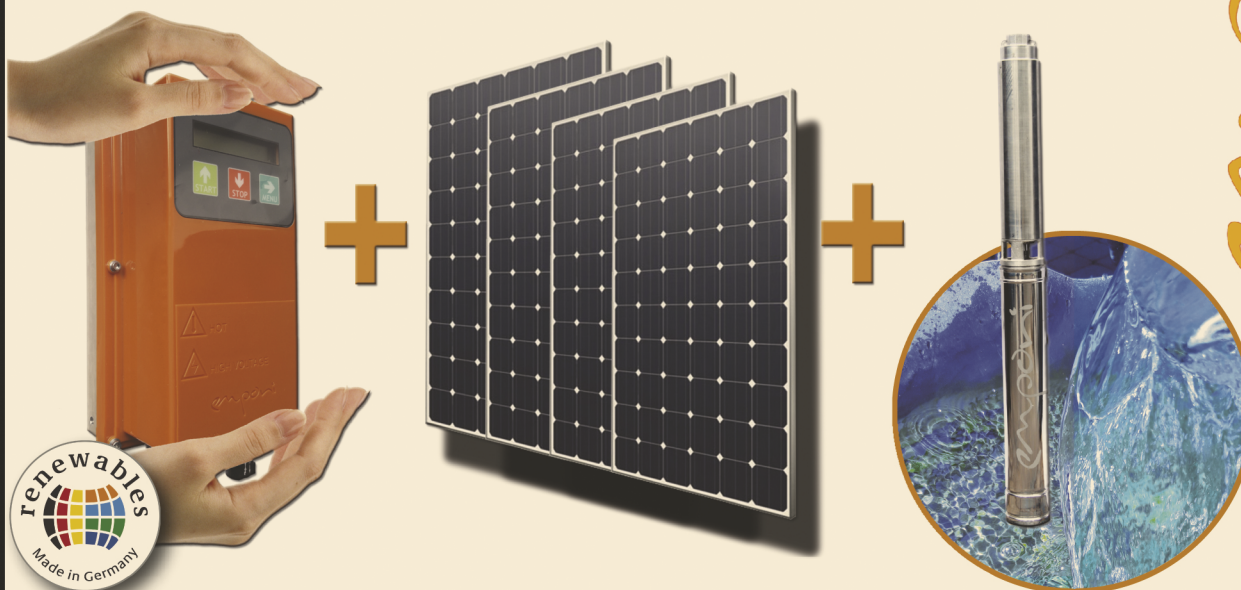


SOLAR DIRECT DRIVE 1.5kW-425V

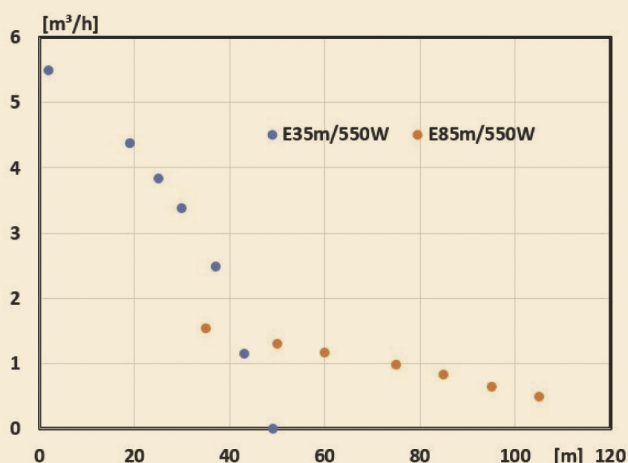
Off-grid low cost 550W PV-pumping system

empower
off-grid solutions



High performance low cost submersible PV-pumping system with a robust 3-phase 4" motor and an exchangeable stainless steel pump. The set comprises the proven robust passively cooled EMPO-NI SDD1.5kW-425V and a pump head / discharge optimized submersible pump. Other pumps on request.

- SDD1.5kW-425V with complete pump specific protection functions (dry, +sensorless, level sw, low speed, etc.) and MPPT
- Fully encapsulated IP54 (IP65) passively cooled system for up to 45°C ambient temperature
- Dedicated stainless steel pumps with optimized pump head / discharge selection and robust 3~ motor



Item	min	max	unit	
Input voltage	75	425	V	
Output current		7	Arms	
T _{ambient} 100% load		45	°C	Number of PV-panels
Ingress Protection	54	(65)	IP	
3ph 230V motor		1,5	kW	10
3ph 160V motor		1,1	kW	7
3ph 110V motor		0,75	kW	5
3ph 85V motor		0,55	kW	4
3ph 65V motor		0,375	kW	3

The graph shows the typical performance curve indicating the pump's discharge in cubic meters per hour (m³/h) at a given pump head in meters (m). Other pumps with other pump head on request. Please get in touch with our engineering team.

All materials for the pumps, motors and the Solar Direct Drive have been carefully selected for robustness and quality to ensure a long life even under harsh environmental conditions. The SDD1.5kW-425V is a product of EMPO-NI off-grid solutions and MADE IN GERMANY, the special 4" 3-phase motor for this low cost set has been developed according to EMPO-NI requirements by a leading company. PV-panels are not contained in this set.

Other customized models and solutions on request. Errors and omissions excepted.