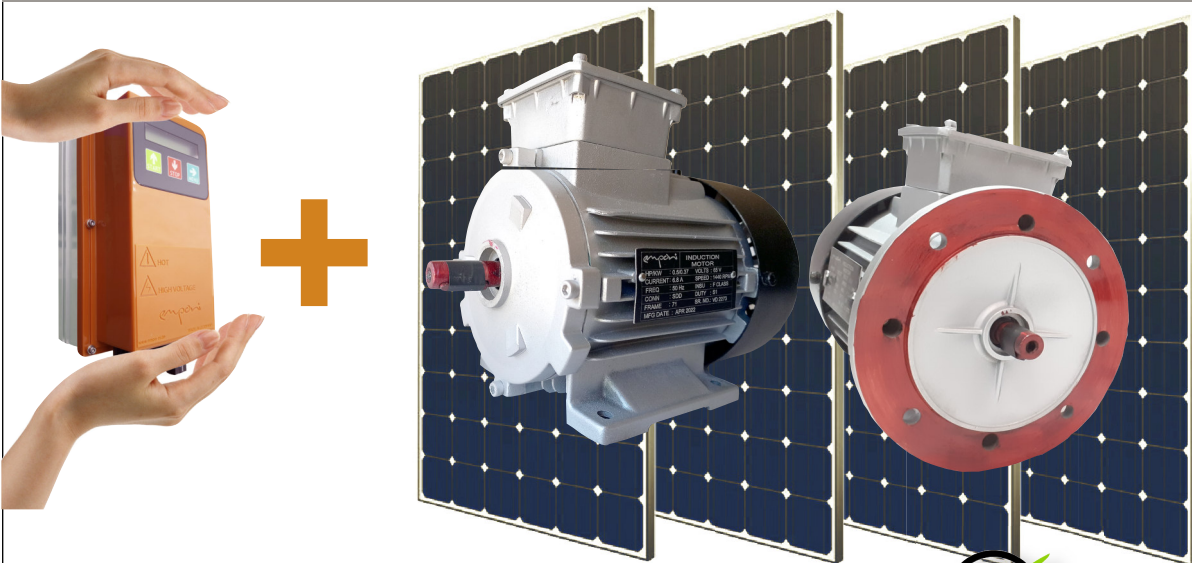


SOLAR DIRECT DRIVE 1.5kW-425V

PV-solar off-grid solutions for motor drives with PayGo and GSM


empower
off-grid solutions



- Replace inefficient single phase motors
- Enable PV-solar operation of machines
- Create off-grid applications – use PayGo
- Minimize the amount of PV-panels to drive an application
- Take advantage of GSM remote control and monitoring

 Option

PaygOps
Last-Mile Management System

Number of PV-panels*	Motor Power [KW]	Solar Direct Drive SDD1.5kW-425V	Rated speed at 50Hz	Motor Size	Coupling
3	0,37kW		4p 1450rpm 2p 2850rpm	71	stand food/ flange
4	0,55kW		4p 1460rpm 2p 2870rpm	80	stand food/ flange
5	0,75kW		4p 1450rpm 2p 2860rpm	80	stand food/ flange
7	1,1kW		6p 950rpm 4p 1450rpm 2p 2880rpm	90 (2p and 4p)	stand food/ flange
10	1,5kW		6p 950rpm 4p 1450rpm 2p 2890rpm	90L	stand food/ flange

* minimum number of PV Panels (> 240Wp/PV-panel). Maximum sum of Voc < 425V. Copyright EMPO-NI 2022

The Maximum Power Point Tracking (MPPT) Solar Direct Drive SDD1.5kW-425V is a PV-solar powered drive system that is now available in conjunction with specially developed motors to replace existing single-phase motors of up to 1.5kW. The innovative drive solution requires only a minimum number of PV-panels to perform – see table above – and is available for all standard speeds, couplings and sizes. The SDD1.5kW-425V is optionally GSM remote controllable and employs a Pay-As-You-Go client software.

For oil press applications EMPO-NI produces the SDD1.5kW-425V-OE with integrated process and (pre-) heater controller.

EMPO-NI®, Edition Juni 2022