



Three-phase hybrid inverter Corab Encor Hybrid

6k/8k/10k/15k

The product comes with a WiFi communication module and CT transformers.

- Asymmetrical operation up to 50% of nominal output power per phase
- Possibility of oversizing by up to 200%
- Possibility to connect high power modules thanks to max. input current of 16A DC
- Switchover time to emergency power supply of 10ms
- Fast response to load change even in 0.2s
- May operate in parallel up to 150kW
- IP65 protection class
- Built-in DC surge protector
- Dedicated monitoring application
- Production and consumption monitoring are a standard solution thanks to our proprietary app Corab One

Choose reliable products

Encor is a combination of **ENergy** coming from the sun with experience and emphasis on high quality of Corab company. It is a dedicated brand of **CORab** devices made on special order. This is a result of cooperation between the company and installers in response to their expectations. The whole production process takes place under careful supervision by Corab – from specification to quality control. Encor devices are made with the utmost care. In terms of aesthetics, they will satisfy even the most demanding investors. Numerous tests and examinations confirm the high quality and compliance with the binding standards.

▼
Built from
the best
components

▼
Reliable
Polish
warranty

▼
Corab One
original
monitoring

▼
Production
and consumption
monitoring

▼
Dedicated
door-to-door
service

	CE HYBRID 6k	CE HYBRID 8k	CE HYBRID 10k	CE HYBRID 15k
GENERAL DATA				
Maximum efficiency [%]	98,0			
European efficiency [%]	97,7			
Battery charge/discharge efficiency [%]	98,5/97,5			
Night-time power consumption [W]	<5			
Enclosure protection	IP65			
Operating temp. range/Storage temp. [°C]	-35~+60 (derating above 45)			
Max. operating altitude above sea level [m]	<3000			
Relative humidity [%]	0~100			
Noise emission [dB]	<35			<45
Storage temperature range [°C]	-40~+70			
Maximum dimensions (H x W x D) [mm]	502x502x197			
Net weight [kg]	30			
Cooling	Natural			Fan
Communication	RS-485, USB, Wi-Fi, LAN (option), Meter (option), CT			
DC INPUT				
Max. input power [Wp]	12000	16000	20000	30000
Max. input power per MPPT (MPPT1/MPPT2)[Wp]	5000/5000	8500/8500	10500/6000	11000/7000
Max. DC voltage [V]	1000			
Starting voltage [V]	200			
Nominal input voltage [V]	640			
MPPT voltage range [V]	180~950			
MTTP/String	2(1/1)	2(2/1)		
Max. operating current [A]	16/16	28/16	28/16	28/16
Max. short-circuit current [A]	20/20	35/20	35/20	35/20
AC OUTPUT				
Nominal AC output power [W]	6000	8000	10000	15000
Max. Apparent AC Output Power [VA]	6600	8800	11000	15000
Max. AC output current [A]	9,7	12,9	16,1	24,1
Max. apparent power at AC input [VA]	12000	16000	20000	
Max. AC input current [A]	19,3	25,8	32,0	
Nominal AC voltage [V]	240/415, 230/400, 220/380*			
Nominal AC frequency [Hz]	50/60 ± 5			
Power factor adjustment range	0,8 leading to 0,8 lagging			
THD harmonic content factor [%]	<3			
BATTERY PARAMETERS				
Battery type	Li-ion battery			
Battery voltage range [V]	180~800			
Max. continuous charge/discharge current [A]	30			
EPS OUTPUT WITH BATTERY (OFF-GRID OR BACK-UP)				
Nominal output power [W]	6000	8000	10000	15000
Peak apparent power [VA]	9000, 60s	12000, 60s	15000, 60s	16500, 60s
Max. continuous current [A]	8,7	11,6	14,5	21,8
Nominal voltage [V]; Frequency [Hz]	230/400; 50/60			
Switchover time to emergency mode [ms]	<10			
Parallel operation	YES			
SAFETY				
Directives, regulations, standards	LVD 2014/35/EU, EMC 2014/30/EU, 2016/631 (kodeks NC RfG), PN-EN 50549-1/-2:2019			

* Value changes refer to different mains voltages 220/230 V