

Corab® Encor



Three-phase hybrid inverter Corab Encor Hybrid

6k/8k/10k/15k

- Asymmetrical operation up to 50% of nominal output power per phase
- Possibility of oversizing by up to 150%
- 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
- Możliwość pracy równoległej do 150kW
- 5 different working modes
- Safe for outdoor installation - protection of IP65
- Built-in DC surge protector
- Dedicated monitoring application

	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]		-30~+60 (reduction in efficiency 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]		503x503x199		
Net weight [kg]		30		
Cooling		Natural		Fan
Communication		RS-485, USB, Wi-Fi, LAN (option), 4G (option), Meter (option), CT		
DC INPUT				
Max. input power [Wp]	10000	12000	15000	18000
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		
Max. short-circuit current [A]	20/20		30/20	
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		
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]		180~650		
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/UE, 2016/631 (kodeks NC RfG), PN-EN 50549-1:2019-2		