



Three-phase inverter Corab Encor

4k/6k/8k/10k/12k

- Starting voltage as low as 150V, maximum DC current of 16A and an exceptionally wide MPPT voltage range
- Possibility of oversizing by up to 200%
- Apparent power at AC output up to 110% of rated power
- Safe for outdoor installation - protection of IP66
- Built-in DC surge protector
- Wide operating temperature range from -30°C to +60°C
- Polish warranty up to 12 years

	CE 4k	CE 6k	CE 8k	CE 10k	CE 12k
GENERAL DATA					
Maximum efficiency [%]			98,30		
European efficiency [%]			97,80		
Night-time power consumption [W]			<3		
Enclosure protection			IP66		
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]	<30		<45		<50
Maximum dimensions (H x W x D) [mm]	434x342x144,5		434x342x156		
Net weight [kg]	15,5		17		18
Cooling	Natural		Fan		
Communication	RS-485, DRMs, USB, Wi-Fi, LAN (option), 4G (option)				
Quantity per pallet	32				
DC INPUT					
Max. input power [Wp]	8000	12000	16000	20000	24000
Max. DC voltage [V]			1000		
Starting voltage [V]			150		
Nominal input voltage [V]			640		
MPPT voltage range [V]			120~980		
MTTP/String		2(1/1)			2(2/1)
Max. operating current [A]		16/16			32/16
Max. short-circuit current [A]		20/20			40/20
AC OUTPUT					
Nominal AC output power [W]	4000	6000	8000	10000	12000
Nominal AC output current [A]	5,8	8,7	11,6	14,5	17,4
Max. Apparent AC Output Power [VA]	4400	6600	8800	11000	13200
Max. AC output current [A]	6,4	9,6	12,8	16	19,1
Nominal AC voltage [V]			220/380, 230/400, 3/N/PE		
Nominal AC frequency [Hz]			50/60		
Power factor adjustment range			0,8 leading to 0,8 lagging		
THD harmonic content factor [%]			<3		
PROTECTIONS					
Under/over voltage protection			YES		
DC insulation monitoring			YES		
Reverse polarity protection			YES		
AC network monitoring			YES		
DC pulse monitoring			YES		
Reverse current monitoring			YES		
Leakage current monitoring			YES		
Protection against islanding operation			YES		
Over-temperature protection			YES		
DC/AC surge protector			Type III/Type III		
SAFETY					
Directives, regulations, standards	LVD 2014/35/EU, EMC 2014/30/UE, 2016/631 (kodeks NC RfG), PN-EN 50549-1:2019-2				