



## Three-phase inverter Corab Encor

**110k**

- Maximum efficiency up to 99%
- 180~1000Vdc MPPT voltage range
- 9 MPPTs, 2 strings per MPPT tracker
- Possibility of oversizing by up to 150%, 110% overloading output
- Maximum 32A MPPT current, 16A per string
- Safe for outdoor installation - protection of IP66
- Highly advanced I-V Curve Diagnosis
- AC terminal temperature detection
- Built-in export power control, 24 hours operation monitoring

### CE 110k

#### GENERAL DATA

Maximum efficiency [%]	98.6
European efficiency [%]	99.9
Enclosure protection	IP66
Operating temp. range/Storage temp. [°C]	-25~+60 (Derating at 45)
Max. operating altitude above sea level [m]	4000 (Derating above 3000)
Relative humidity [%]	0~100
Noise emission [dB]	<55
Maximum dimensions (H x W x D) [mm]	985x660x327,5
Net weight [kg]	83
Cooling	Smart fan cooling
Communication	RS-485, USB, Wi-Fi (option), LAN (option), 4G (option), PLC (option)
Quantity per pallet	4

#### DC INPUT

Max. input power [kWp]	165
Max. DC voltage [V]	1100
Starting voltage [V]	200
Nominal input voltage [V]	580-600
MPPT voltage range [V]	180~1000
MTTP/String	9/2
Max. operating current [A]	32
Max. short-circuit current [A]	46

#### AC OUTPUT

Nominal AC output power [kW]	110
Nominal AC output current [A]	166,7/159,5
Max. Apparent AC Output Power [kVA]	121
Max. AC output current [A]	183,4/175,4
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

Over/under voltage protection	YES
DC isolation protection	YES
Grid monitoring	YES
DC injection monitoring	YES
Residual current detection	YES
Anti-islanding protection	YES
String fault detection	YES
SPD (DC/AC)	Type II/Type II
Power Line Communication (PLC)	option
Output terminals over temperature detection	YES
Arc-Fault Circuit Interrupter (AFCI)	option

#### SAFETY

Directives, regulations, standards	LVD 2014/35/EU, EMC 2014/30/UE, 2016/631 (kodeks NC RfG), PN-EN 50549-1:2019-2
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