



Inverter Corab Encor

50k

- Maximum efficiency up to 98.4%
- MPPT voltage range 180~1000V DC
- Possibility of oversizing by up to 150%
- Maximum DC input current 32A per MPPT, 16A per string
- Safe for outdoor installation - protection of IP65
- Built-in DC surge protector
- Export power control
- Longlife fan
- Lower weight compared to competing products

CE 50k

GENERAL DATA

| | |
|---|---|
| Maximum efficiency [%] | 98,4 |
| European efficiency [%] | 98,1 |
| Night-time power consumption [W] | <2 |
| 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] | <55 |
| Maximum dimensions (H x W x D) [mm] | 630x521x286 |
| Net weight [kg] | 44,5 |
| Cooling | Fan |
| Communication | RS-485, USB, Wi-Fi, LAN (option), 4G (option), PLC (option) |
| Quantity per pallet | 4 |

DC INPUT

| | |
|--------------------------------|----------|
| Max. input power [Wp] | 75000 |
| Max. DC voltage [V] | 1100 |
| Starting voltage [V] | 200 |
| Nominal input voltage [V] | 600 |
| MPPT voltage range [V] | 180~1000 |
| MTTP/String | 5/2 |
| Max. operating current [A] | 32 |
| Max. short-circuit current [A] | 46 |

AC OUTPUT

| | |
|------------------------------------|--------------------------------|
| Nominal AC output power [W] | 50000 |
| Nominal AC output current [A] | 72,5 |
| Max. Apparent AC Output Power [VA] | 55000 |
| Max. AC output current [A] | 79,7 |
| Nominal AC voltage [V] | 220/380, 230/400, 3/N/PE, 3/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 |
| AC network monitoring | YES |
| DC pulse monitoring | YES |
| Leakage current monitoring | YES |
| Protection against islanding operation | YES |
| Over-temperature protection | Type II/Type II |
| DC/AC surge protector | |

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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