

Model	ECBID050 ECUPS050	ECBID100 ECUPS100	ECBID150 ECUPS150	ECBID200 ECUPS200	ECBID250 ECUPS250	ECBID300 ECUPS300
AC values (Grid connected)						
Nominal voltage	3Ph+N 380/400/415V					
Nominal frequency	50 or 60 Hz					
Frequency range	40 ÷ 70 Hz					
Max slew rate	±1Hz/s					
Nominal power KVA	50	100	150	200	250	300
Power factor correction	0,6 ÷ 1					
AC values (Stand alone)						
Nominal power KVA	50	100	150	200	250	300
Active power KW	50	100	150	200	250	300
Nominal voltage	3Ph+N 380/400/415V					
Voltage static stability	± 1%					
Voltage dynamic stability	± 5%					
Crest factor	3:1					
Voltage distorsion (linear load)	≤ 1%					
Nominal frequency	50Hz o 60Hz					
Overload	125% 10 min					
Automatic Bypass (UPS)						
Nominal voltage	3Ph 380/400/415 V					
Nominal frequency	50 or 60 Hz					
DC values (solar panels)						
Configuration	External module IP65					
Power	30KW					
MPPT number	6					
DC values (battery)						
Battery type	VRLA AGM / VRLA GEL					
Communication						
Remote signals	Remote EPO - External ByPass					
Communication interface	Serial RS485 Modbus, Dry Contacts, Current signal					
Mechanical data						
Protection grade	IP 20					
Noice level 1 m	<62dBA			<64dBA		
Storing temperature	-20°C ÷ +70°C (UPS) +20°C ÷ +30°C (Battery)					
Working environment temperature	+20°C ÷ +40°C					
Relatice humidity	95% non condensing					
Altitude	1000m slm (1% derating every 100m up to 2000m)					
Cooling	forced air controlled speed					
General						
Topology	Multilevel bidirectional inverter					
Inverter	High frequency IGBT inverter transformerless					
Statich switch	Statich Switch SCR and contactor					
Cooling	forced air					
Efficiency	97,5%					

Standards

Direttives: LV 2006/95/CE Low Voltage Directive • EMC 2004/108/CE Electromagnetic Compatibility Directive
 Standards: Safety IEC EN 62040-1 • EMC IEC EN 62040-2 C2 • IEC 62040-3