

MODEL	CAB-CP050-I080-A1 CAB-CP050-I240-A0	CAB-CP100-E-A1 CAB-CP100-I320-B0	CAB-CP150-E-A0	CAB-CP250-E-B0	CAB-CP300-E-B0	CAB-CP600-E-D0
<b>GENERAL DATA</b>						
Module Type	IM10/IM20/IM25	IM10/IM20/IM25	IM10/IM20/IM25	IM10/IM20/IM25	IM50/IM60	IM50/IM60
Nominal power per module [kVA=kW]	10/20/25	10/20/25	10/20/25	10/20/25	50/60	50/60
Max Power per Frame [kVA=kW]	50	100	150	250	300	600
Number of modules per frame	1-2	1-4	1-6	1-10	1-5	1-10
Max power per system [kVA=kW]	1500	1500	1500	1500	3600	3600
Max number of modules per system	1-60	1-60	1-60	1-60	1-60	1-60
Topology/Technology	Online double conversion/DARA (Distributed Active-redundant Architecture)					
<b>INPUT</b>						
<b>MAINS</b>						
Input Wiring	3Ph+N+PE					
Rated Voltage	380/400/415Vac					
Voltage Range	For loads <100% (-25%, +20%)   <80% (-32.5%, +20%)   <60% (-35%, +20%)					
Input Frequency	40-70 Hz					
Total Harmonic Distortion	THDi<3% for linear load, THDi<5% for nonlinear load					
Input Power Factor	0,99					
<b>BYPASS</b>						
Input Wiring	3Ph+N+PE					
Rated Voltage	360/400/420 Vac					
Input Frequency	50/60 ±2/4% (selectable)					
<b>BATTERY</b>						
Rated Voltage	360-480 Vdc (the number of batteries can be selected )					
Internal Batteries (7/9Ah)	I080: 80   I240: 240	E External I320: 320	E External	E External	E External	E External
Type	Lead-Acid/NiCad/Lithium					
Blocks [LA]/Cells[NiCad]	IM10: 20-50   IM20/IM25/IM50/IM60: 30-50					
Charger (Amp/module)	20					40
<b>OUTPUT</b>						
<b>INVERTER</b>						
Output Wiring	3Ph+N+PE					
Voltage	380/400/415 Vac±1%					
Frequency	Tracking the bypass input (Online Mode)   50/60 Hz±0,05% (Battery Mode)					
Waveform	Sine wave (THDv<1% for linear load   THDv<3% for non-linear load)					
Output Power Factor	1					
Efficiency (module/frame)	<b>97,1% / 96,9%</b>					
Overload Capacity	<b>Inverter 124% continuous</b>   125% overload for 10 min   150% overload for 1 min <b>Bypass 135% overload for long term</b>   <1000% overload for 100ms					
Short circuit capability	3 x IN					
<b>BYPASS</b>						
Efficiency	<b>99,4%</b>					
<b>ENVIRONMENT</b>						
Operating Temperature	0-40°C (No power derating)					
Storage Temperature	-40-70°C					
Relative Humidity	0%-95% (No condensing)					
Maximum Operating Altitude	1000 m. Above 1000 m, derating 1% for each additional 100 m					
Audible Noise	< 65dB					
<b>OTHERS</b>						
Dimensions (H x W x D) [mm]	1,315x510x815 1,980x510x815	1,315x510x815 1,980x730x815	1,980x510x815	1,980x730x815	1,980x730x845	1,980x1,460x845
Weight [Kg] without modules	125 180	107 225	148	210	209	396
Certifications	EN/IEC 62040-1   EN/IEC 62040-2   EN/IEC 62040-3   CE   RoHS					
Communications	<b>Basic</b> RS485   RS232   2 Dry Input. <b>Pro</b> Basic + Dry contacts   Ethernet   Bluetooth					