

# centiel

continuous power availability

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-S2	CAB-CP300-E-B0	CAB-CP600-E-D0
<b>General Data</b>						
Module Type	IM10/IM20/IM25				IM50/IM60	
Nominal power per module [kVA=kW]	10/20/25				50/60	
Max Power per Frame [kVA=kW]	50	100	125 (n+1)	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]	1,500				3,600	
Max number of modules per system	1-60				1-60	
Topology/Technology	Online double conversion/DARA (Distributed Active-redundant Architecture)					
<b>Input</b>						
Mains	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				
Bypass	Input Wiring	3Ph+N+PE				
	Rated Voltage	380/400/415 Vac				
	Input Frequency	50/60 ±2/4% (selectable)				
Battery	Rated Voltage	360-600 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
	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>						
Inverter	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% / 96.7%</b>				
	Overload Capacity	Inverter: <b>124% continuous</b> ; 125% for 10 min; 150% for 1 min Bypass: 135% overload for long term; <1000% overload for 100ms				
	Short circuit capability	3 x IN				
Bypass	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>						
Height×Width×Depth(mm)	1,315x510x815	1,315x510x815				
	1,980x510x815	1,980x730x815	1,980x510x815	1,980x730x815	1,980x730x845	1,980x1,460x845
Weight (Kg) withouth modules	125	107				
	180	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					
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