

Technical Datasheet StratusPower

	Model	CAB-SP060-I080-2S-A1	CAB-SP120-E-4S-A1		
		CAB-SP060-I240-2S-A0	CAB-SP120-I320-4S-B0	CAB-SP180-E-6S-A0	CAB-SP240-E-8S-A0
General Data	Module type	SM10/20/25/30	SM10/20/25/30	SM10/20/25/30	SM10/20/25/30
	Nom. power per module [kVA = kW]	10 / 20 / 25 / 30	10 / 20 / 25 / 30	10 / 20 / 25 / 30	10 / 20 / 25 / 30
	Cont. overload per module [kVA = kW]	12 / 24 / 30 / 36	12 / 24 / 30 / 36	12 / 24 / 30 / 36	12 / 24 / 30 / 36
	Nom. power per frame [kVA = kW]	60	120	180	240
	Cont. overload per frame [kVA = kW]	72	144	216	288
	Number of modules per frame	1-2	1-4	1-6	1-8
	Max. power per system [kVA = kW]	1800	1800	1800	1800
	Topology / technology	Online double conversion / DARA (Distributed Active Redundant Architecture)			
Input	Rectifier	Input wiring	3 Ph + N + PE		
		Rated voltage	380/400/415Vac		
		Voltage range	For loads <100% (-25%, +20%), <80% (-32.5%, +20%), <60% (-35%, +20%)		
		Input frequency	30-70 Hz		
		Total Harmonic Distortion	THDi<=0.9% for linear load, THDi<3% for nonlinear load		
		Input power factor	0,99		
	Bypass	Input wiring	3 Ph + N + PE		
		Rated voltage	±30...±10% (Voltage) (According to VFI-SS-111)		
		Input frequency	50/60 ±2/4% (selectable)		
	Battery	Rated voltage	204-600 Vdc (the number of batteries can be selected)		
		Internal batteries (7/9Ah)	I080: 80 I240: 240	E: External I320: 320	E: External E: External
		Type	Lead-Acid / NiCad / Lithium / Zink / Salt / others...		
Blocks [VRLA]		17-50			
Output	Inverter	Output wiring	3Ph+N+PE		
		Voltage	380/400/415 Vac		
		Frequency	Tracking the bypass input (Online Mode); 50 / 60 Hz ± 0.05% (Battery Mode)		
		Output power factor	1		
		Efficiency	97,6%		
		Overload capacity	Inverter: 124% continuous, 125% for 10min, 150% for 60 sec		
	Short circuit capability	Up to 3xIn - 400ms			
Bypass	Efficiency	99,4%			
Environment	Operating temperature	0-40°C (No power derating)			
	Storage temperature	-40-70°C			
	Relative humidity	10%-95% (No condensing)			
	Maximum operating altitude	1000 m. above 1000 m, derating 1% for each additional 100 m			
Others	Dimensions (H x W x D) [mm]	1315 x 510 x 815 1980 x 510 x 815	1315 x 510 x 815 1980 x 730 x 815	1980 x 510 x 815	1980 x 510 x 815
	Certifications	EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 CE UKCA EAC RoHS			
	Communications	RS485, USB, Dry contacts, Ethernet, Bluetooth			



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		CAB-SP375(B)-E-6M-(LT/AV)-K		CAB-SP750(B)-E-12M-(LT/AV)-2K		CAB-SP1125(B)-E-18M-(LT/AV)-3K		CAB-SP1500(B)-E-24M-(LT/AV)-4K		
		CAB-SP375(T)-E-6M-(LT/AV)-K		CAB-SP750(T)-E-12M-(LT/AV)-2K		CAB-SP1125(T)-E-18M-(LT/AV)-3K		CAB-SP1500(T)-E-24M-(LT/AV)-4K		
General Data	Model									
	Module type	SM50 / SM62		SM50 / SM62		SM50 / SM62		SM50 / SM62		
	Nom. power per module [kVA = kW]	50 / 62.5		50 / 62.5		50 / 62.5		50 / 62.5		
	Cont. overload per module [kVA = kW]	60/75		60/75		60/75		60/75		
	Nom. power per frame [kVA = kW]	375		750		1125		1500		
	Cont. overload per frame [kVA = kW]	450		900		1350		1800		
	Number of modules per frame	1-6		1-12		1-18		1-24		
	Max. power per system [kVA = kW]	3750		3750		3750		3750		
Topology / technology	Online double conversion / DARA (Distributed Active Redundant Architecture)									
Input	Rectifier	Input wiring	3 Ph + N + PE							
		Rated voltage	380/400/415Vac							
		Voltage range	For loads <100% (-25%, +20%), <80% (-32.5%, +20%), <60% (-35%, +20%)							
		Input frequency	30-70 Hz							
		Total Harmonic Distortion	THDi<=0.6% for linear load, THDi<3% for nonlinear load							
		Input power factor	0,99							
	Bypass	Input wiring	3 Ph + N + PE							
Rated voltage		±30...±10% (Voltage) (According to VFI-SS-111)								
Input frequency		50/60 ±2/4% (selectable)								
Battery	Rated voltage	360 - 600 Vdc (the number of batteries can be selected)								
	Internal batteries (7/9Ah)	E: External								
	Type	Lead-Acid / NiCad / Lithium / Zink / Salt / others...								
	Blocks [VRLA]	30-50								
	Charger (Amps per module)	SM50: 50A, SM62: 60A								
Output	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)							
		Output power factor	1							
		Efficiency	97,6%							
		Overload capacity	Inverter: 124% continuous, 125% for 10 min, 150% for 60 sec							
		Short circuit capability	Up to 3.5xIn - 400ms							
	Bypass	Efficiency	99,4%							
Environment	Operating temperature	0-40°C (No power derating)								
	Storage temperature	-40-70°C								
	Relative humidity	10%-95% (No condensing)								
	Maximum operating altitude	1000 m. above 1000 m, derating 1% for each additional 100 m								
Others	Dimensions (H x W x D) [mm]	1982 x 656 x 900		1982 x 1312 x 900		1982 x 1968 x 900		1982 x 2624 x 900		
	Certifications	EN/IEC 62040-1 EN/IEC 62040-2 EN/IEC 62040-3 CE UKCA EAC RoHS								
	Communications	RS485, USB, Dry contacts, Ethernet, Bluetooth								