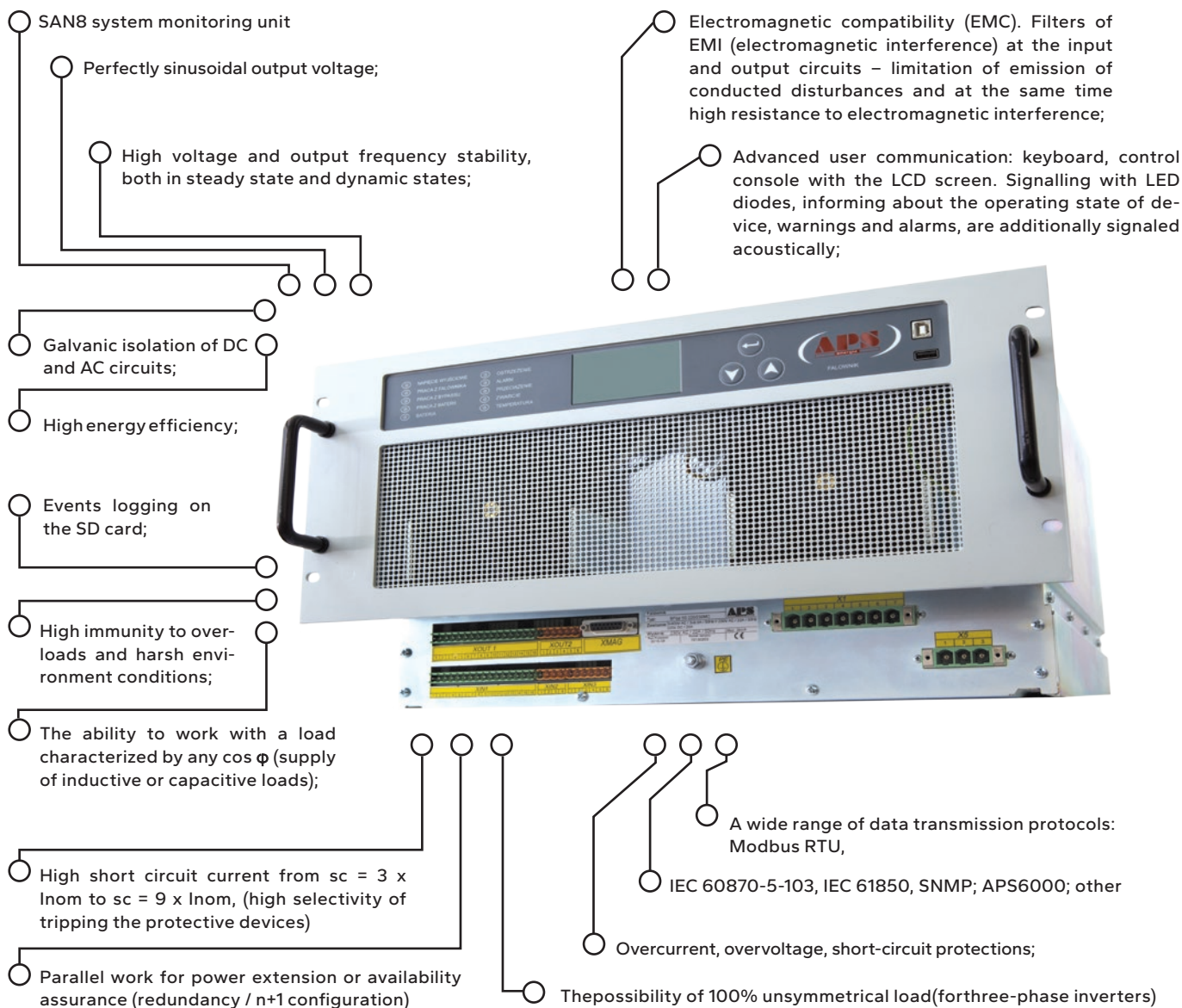


Device description

BFI M and BFI MC inverters are 19" modules with a 6U standard height. This housing type allows to mount inverters inside industrial cabinets. These inverters operate in an online mode. Inverters equipped with SAN 8 controller form a BFI MC type inverters family. Inverters can be supplied from different DC voltage levels. Maximum module power is 10 kVA. BFI M and BFI MC inverters gave forced air cooling systems. Fan's rotational speed is adjusted smoothly depending on the device internal temperature.

Characteristics:



Type description

SINGLE-PHASE INVERTERS, M TYPE AND MC TYPE, 1 kVA - 10 kVA (Modules 19" for industrial cabinet)

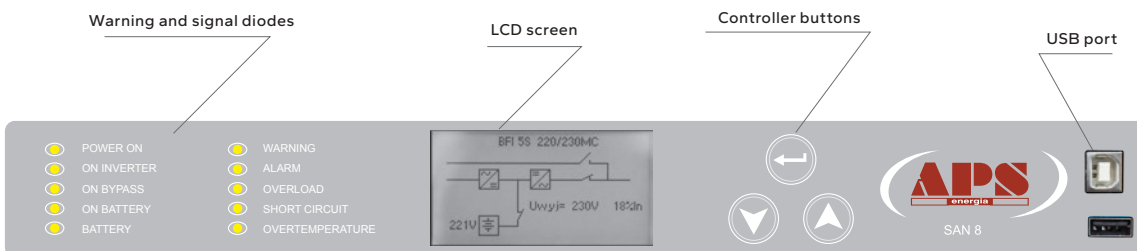
Inverter Power Rating	Nominal Input Voltage DC	Single-phase (Output voltage: 230 VAC)	
		Type	Dimensions*
1 kVA	24 VDC	BFI 1 S 24/230 M/MC	M5
	48 VDC	BFI 1 S 48/230 M/MC	
	60 VDC	BFI 1 S 60/230 M/MC	
	110 VDC	BFI 1 S 110/230 M/MC	M3
	220 VDC	BFI 1 S 220/230 M/MC	
2,5 kVA	48 VDC	BFI 2,5 S 48/230 M/MC	M5
	60 VDC	BFI 2,5 S 60/230 M/MC	
	110 VDC	BFI 2,5 S 110/230 M/MC	M3
	220 VDC	BFI 2,5 S 220/230 M/MC	
5 kVA	48 VDC	BFI 5 S 48/230 M/MC	M5
	60 VDC	BFI 5 S 60/230 M/MC	
	110 VDC	BFI 5 S 110/230 M/MC	M3
	220 VDC	BFI 5 S 220/230 M/MC	
10 kVA	110 VDC	BFI 10 S 110/230 M/MC	M5
	220 VDC	BFI 10 S 220/230 M/MC	

(* M3 (6U): 482x267x496; M5 (6U): 482x267x635. (WxHxD); (** Only like elements of multi-modules systems.

Technical characteristics

DESCRIPTION	PARAMETER
Voltage stability (static)	+/- 1%
Voltage stability (dynamic)	+/- 5% within 10 ms
Voltage waveform	Sinusoidal
THDU voltage distortion (linear load)	<2%
THDU voltage distortion (nonlinear load)	<5%
Output voltage frequency	50/60 Hz
Frequency stability	+/- 0,1%
Short-circuit current	3:1 (optionally 9:1)
Crest factor	3:1 (optionally 5:1)
cos ϕ	Cos $\phi \leq 1$ (0 ind do 0 poj)
Efficiency	>92%
Electro-magnetic compability	EN 62040-2
Interface language	PL EN RUS CZ

Inverter console (button version)



APS Energia S.A. reserves the right to change device parameters. Other types and solutions can be supplied on request.



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