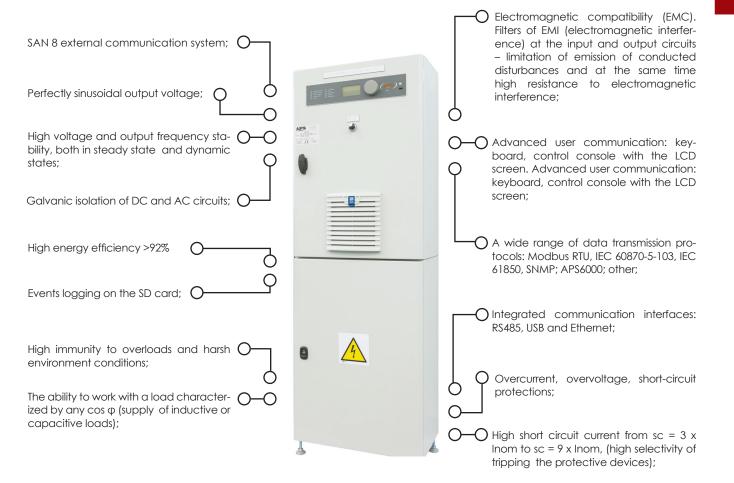
# **DEVICE DESRIPTION**

BFI CW are compact wall-mounted housing inverters, BFI CS are compact floor-standing housing inverters. Despite their small dimensions both inverter types possess full functionality and are compliant with high output voltage requirements. All inverters are equipped with an Automatic Supervisory System SAN 8. The systems can be supplied from different DC voltages. The maximum inverter power is 10 kVA. BFI CW and BFI CS inverters have forced air cooling systems. Fan speed is adjusted smoothly depending on the device internal temperature.

#### Specification:



#### Enviromental

DESCRIPTION	PARAMETER
Operating temperature (EN 50178 class 3K3)	0 to +40 °C
Storage temperature	-15 to +55 °C
Humidity (EN 50178 class 3k3)	max. 95% (without condensation)
Access	Service and maintenance access from the front
Cable entry	From the bottom
Alltitude (maximum level without power derating)	1000 m (amsl)

INVERTER BFICOMPACT

### Typeseries

#### COMPACT SINGLE-PHASE INVERTERS, BFI CW / CS TYPE, 1 kVA ÷ 10 kVA (CW-wall-mounted version, CS-standing version)

Inverter Power Rating	Nominal DC input voltage	Туре	Туре**	Type of housing*	g No: BFI 10
1 kVA	60 VDC	230 VAC	BFI 1 S 60/230 CW		10-110
	110 VDC	230 VAC	BFI 1 S 110/230 CW	CW6	
	220 VDC	230 VAC	BFI 1 S 220/230 CW		
2,5 kVA	60 VDC	230 VAC	BFI 2,5 \$ 60/230 CW	CW6	
	110 VDC	230 VAC	BFI 2,5 \$ 110/230 CW		
	220 VDC	230 VAC	BFI 2,5 S 220/230 CW		
5 kVA	110 VDC	230 VAC	BFI 5 S 110/230 CW	CW6	
	220 VDC	230 VAC	BFI 5 \$ 220/230 CW	Civo	
10 kVA	110 VDC	230 VAC	BFI 10 S 110/230 CW	C1	
	220 VDC	230 VAC	BFI 10 S 220/230 CW	CI	

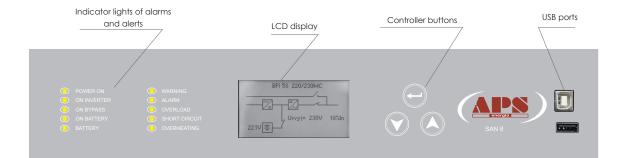
\* CW6: 500 x 700 x 250; C1: 800x1000x300; CS6: 500x1400x250 (WxHxD)

\*\*All inverters CW type are available in CS type

## Technical Parameters

DESCRIPTION	PARAMETER
Voltage stability(static)	+/- 1%
Voltage stability(dynamic)	+/- 5% up to 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
Crest factor	3:1
cos φ	$\cos \phi \le 1$ (0 ind to 0 cap)
Efficiency	>92%
Electro-magnetic compability	EN 62040-2
Interface language	PL   EN   RUS   DE   CZ

# Console with navigation cursors



The manufacturer reserves the right to change the equipmentparapeters. Other types of solutions can be provided on request.



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Catalo