



CS-IS DC power converters

CS IS: High performance DC/AC industrial converters

Salicru's **CS IS** series DC/AC converters are based on technically advanced solutions such as PWM technology and digitally controlled servo systems so as to obtain: high performance, low distortion (THDv < 2%) and elevated stability. Moreover, they offer excellent tolerance to short-circuits, polarity inversion protection and the possibility of operating in Eco-mode.

The line is available in power ranges between 1000 and 6000 VA, with admissible continuous incoming voltage from 48 Vdc to 220 Vdc nominal input.

Performances

- Availability in a wide range of voltages and outgoing power.
- Broad range of input voltage variation.
- LCD display comes standard.
- Communication through relay interface or RS-232 / RS-485.
- Excellent dynamic behavior.
- Automatic restart to re-establish incoming power.
- Ramp start.
- 19" rack or box casing

Applications: Energy conversion for industrial plants

Salicru's **CS IS** series provides quality AC power from a DC power source (normally batteries) for the most varied of industrial applications such as cogeneration and biomass plants, gas generators, water distributors, power stations and substations, telecommunications, etc.

Optional

- Static bypass.
- EMI filters.
- Isolation transformer on the bypass line.
- Psofometric filter.
- Anti-harmonic filter.

Services

Pre-sales and post-sales consultation service.
Several maintenance and remote maintenance methods.



CS 4000-IS

TECHNICAL SPECIFICATIONS

MODEL		CS IS	
INPUT	DC nominal voltage	48 V, 110 V, 120 V, 125 V, 220 V	
	Voltage range	- 17%, + 20%	
OUTPUT	AC nominal voltage	120 V, 220 V, 230 V, 240 V	
	Accuracy	± 2%	
	Frequency	50 / 60 Hz	
	Frequency range	Synchronized	0.1 Hz ÷ 9.9 Hz in increments of 0.1 Hz
		Unsynchronized	± 0.05%
	Synchronization speed	1 Hz/s	
Admissible overload	150% for 30 seconds / 125% for 45 seconds		
GENERALS	Efficiency	Up to 92%	
	Operating temperature	- 10° C ÷ + 40° C	
	Cooling	Forced	
	Relative humidity	Up to 95%, non-condensing	
STANDARDS	Maximum operating altitude	2400 m.a.s.l.	
	Safety	EN 60950-1	
STANDARDS	Electromagnetic Compatibility (EMC)	EN 61000-6-3; EN 61000-6-1	
	Quality and Environmental management	ISO 9001 and ISO 14001	

Data liable to changes without prior notice.

RANGE

MODEL	POWER (VA)	INPUT VOLTAGE (Vdc)					DIMENSIONS (D x W x H mm)		WEIGHT (Kg)
		48	110	120	125	220	BOX	RACK	
CS 1000-IS	1000	•	•	•	•	•	385 x 440 x 180 ⁽¹⁾	385 x 483 x 4U ⁽¹⁾	36
CS 2000-IS	2000	•	•	•	•	•	385 x 440 x 180 ⁽¹⁾	385 x 483 x 4U ⁽¹⁾	49
CS 3000-IS	3000	•	•	•	•	•	385 x 440 x 180 ⁽¹⁾	385 x 483 x 4U ⁽¹⁾	57
CS 4000-IS	4000	•	•	•	•	•	600 x 440 x 270	600 x 483 x 6U	63
CS 5000-IS	5000	•	•	•	•	•	600 x 440 x 270	600 x 483 x 6U	68
CS 6000-IS	6000	•	•	•	•	•	725 x 440 x 270	-	84

Dimensions and weights for models without bypass nor filters. Ask for another power needs and/or configurations.
(1) For voltages ≥110 Vdc.

