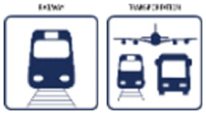
Technical Data Sheet

SA3206-CX-3F-CB_REV5
3200W

FEATURES



APPLICATION



BASIC CHARACTERISTICS

Parameter	Conditions	Min.	Typ.	Max.
Input				
Input Voltage	3PH 3Wires RST		400VAC ± 10%	
Input Frequency			50-60Hz	
Output				
Vout	Temperature Regulated	27V		30V
Iout Nom			100A	
Iout	Short Term	100A		120A
Tolerance			±3%	
Ripple and Noise	0-20 MHz		250mV	
Vprog (Optional)	Vout Decreases Until -10%	0V		2.5V
	Vout Increase Up to +10%	2.5V		5V
Iprog (Optional)	With 1.5V		Decrease Until 80% Inom	
	With 1V		Decrease Until 60% Inom	
	With 0.5V		Decrease Until 40% Inom	
Output Power			3200W	
Power Factor	At Full Load		0.9%	
Efficiency	At Full Load		94%	

copyright © RECOM Power System Srl GmbH, all rights reserved

ENVIRONMENTAL

Parameter	Conditions	Value
Operating Temperature		-40°C to +55°C
Temperature Power Derating		>+55°C to +70°C: 2%°C
Storage Temperature		-40°C to 85°C
Cooling	Force Ventilation	

PROTECTIONS

Parameter	Value
Inrush Current Protection (Input)	YES
RFI Filter	YES
Fuses	3 x 16A / 500VAC
Over-Current Protection (Output)	1.05-1.2 In
Overvoltage Protection to Switch Off (Output)	≥35V
Short Circuit Protection	YES
Overtemperature Protection	Tmax = 90°C

SAFETY AND CERTIFICATION

	Standard
Dielectric Withstand Voltage	Input – Output: 4000VDC
	Input – PE: 2500VDC
Isolation	Output – PE: 750VDC

EMC

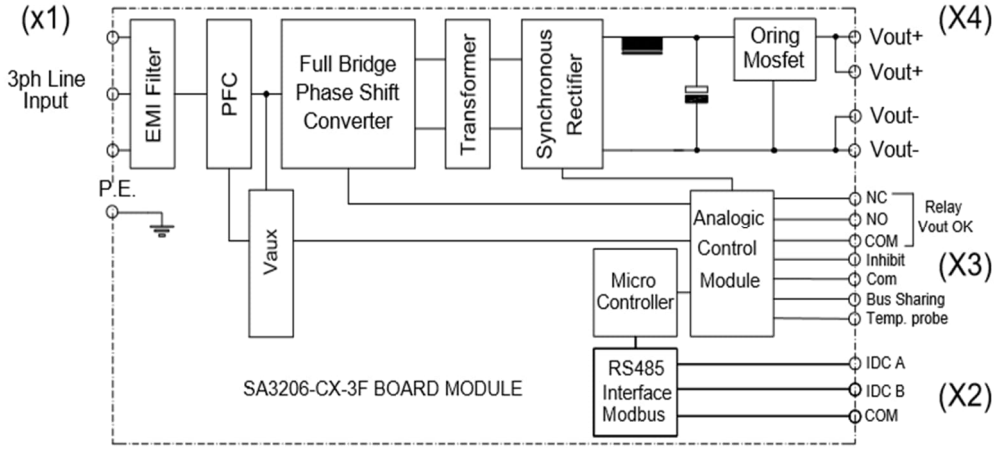
	Standard
Emission	EN 61000-6-4
Immunity	EN 61000-6-2
	EN 62368-1
	EN 50155
	EN 50121-3-2
	EN 61373-1B
	EN 45545-2

CONTROL

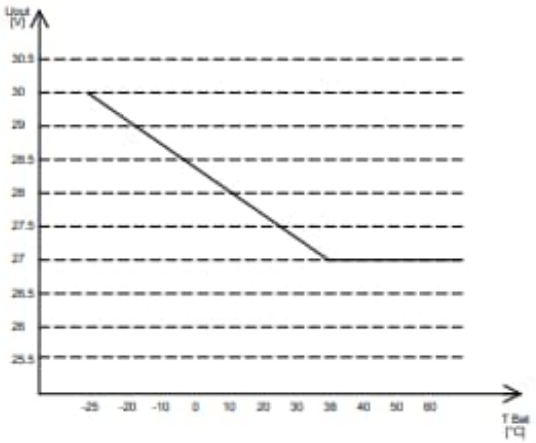
Parameter	Value
Inhibit	Active Signal Low (Connected to GND: Unit = OFF)
Operating Indicators: Green LEDS	Vin OK, Vout OK @18V
Temperature Sensor (Ext. PT100 SENSOR)	In Case of Parallel Connection, Provide a Temperature Probe on Each Power Supply. Connection for the Temperature Probe to Realize the Charging Curve
Relay Contact	Vout Relay Contact (N.Closed / Com / N.Open)
	Relay N.O Short with Relay COM = Unit OK
	Relay N.C Short with Relay COM = Unit Failure
	Relay Switch with Vout > 18VDC

copyright © RECOM Power System Srl GmbH, all rights reserved

BLOCK DIAGRAM



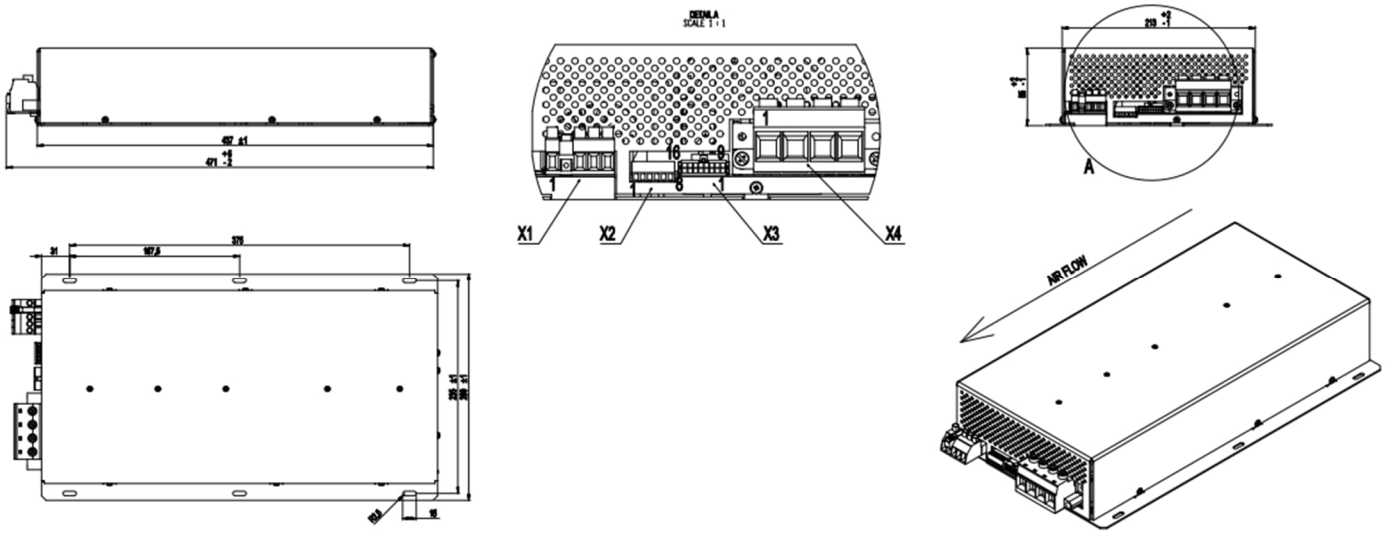
PROGRAMMED TEMPERATURE CURVE



copyright © RECOM Power System Srl GmbH, all rights reserved

DIMENSION & CONNECTIONS

Parameter	Type	Value
Weight		<8Kg



- Mounting Direction: Upright fan bottom side

CONNECTIONS

Pin	Value	Note
X1	1. PE	
	2. R	
	3. S	
	4. T	
X2	1. 0V_EXT	
	2. IDC_A	
	3. IDC_B	
	4. 0V_EXT	
	5. IDC_A	
	6. IDC_B	
X3	1.Relay N.O	
	2. Temp. PROBE	
	3. Temp. PROBE COM	
	4. SENSE-	
	5. -INHIBIT	
	6. I. PROG	
	7. -I. PRG0V	
	8. -ON / OFF	
	9. Relay N.C.	
	10. Relay COM	
	11. BALANCE	
	12. SENSE+	
	13. INHIBIT	
	14. V.PROG	
	15. -V.PRG	
	16. ON / OFF	
X4	-Vout	
X5	-Vout	
X6	+Vout	
X7	+Vout	

copyright © RECOM Power System Srl GmbH, all rights reserved

CONNECTORS

Type	Note
Input Connector X1 – WeidMuller Omnimate V7.62HP / 04 / 90MF2 Mate with BVZ 7.62IT/04/180/MF2	
Modbus Connector X2 – RS PRO Cod.897-1149 Mate with RS PRO Cod.897-1095	
Signal Connector X3 – Molex Microfit 3.0 90° 16circuit Cod.430451021 Mate with Cod.430251608	
Output Connectors X4 – Phoenix PC35 HC/4-GF-15.00 Mate with PC35 HC/4-STF-15.00	

The product information and specifications may be subject to changes even without prior written notice. The product has been designed for various applications; its suitability lies in the responsibility of each customer. The products are not authorized for use in safety-critical applications without RECOM's explicit written consent. A safety-critical application is an application where a failure may reasonably be expected to endanger or cause loss of life, inflict bodily harm or damage property. The applicant shall indemnify and hold harmless RECOM, its affiliated companies and its representatives against any damage claims in connection with the unauthorized use of RECOM products in such safety-critical applications.

copyright © RECOM Power System Srl GmbH, all rights reserved