Product data sheet
Characteristics

864-1032
Xantrex - grid-tie solar inverter GT 3.8 - 3.8 kW AC - 15.8A

Main

Range of product	Xantrex
Device short name	GT 3.8
Product or component type	Grid-tie solar inverter
Network number of phases	Single phase
Type of signal	True sine wave output
Nominal output power	3.8 kW AC - 208 V 3.5 kW AC - 240 V

Complementary

Output voltage	240 V AC single phase 208 V AC single phase 211...264 V AC 183...229 V AC
Output type	Current source
Output current	15.8 A - 208 V 16.8 A - 240 V
Network frequency	60 Hz (output) 59.3...60.5 Hz (output)
Cos phi	> 0.99 at rated power (output) > 0.95 at full power range (output)
Harmonic distortion	< 3 %
Input voltage	<= 600 V DC open circuit 195...550 V MPPT - CEC & CSA 195...550 V MPPT
Input current	< 24 A DC - short circuit 19.5 A DC - 208 V 20.8 A DC - 240 V
Utility backfeed current	0 A
Overcurrent protection	20 A (output) 25 A (output)
Reverse polarity protection	Short-circuit diode
Efficiency	95.9 % peak - 240 V 95 % CEC - 208 V 95 % CEC - 240 V 95.6 % peak - 208 V
Power consumption in W	1 W night time
Function available	GF detection, IDIF > 1 A
Display type	Backlit LCD
Messages display capacity	2 lines of 16 characters
Communication interface	RS232 Xanbus 1 RJ45
AWG gauge	14...6
Type of cooling	Convection
Device mounting	Wall mounted
Height	724 mm
Width	403 mm
Depth	145 mm
Product weight	25.8 kg

Environment

NEMA degree of protection	NEMA 3R
Ambient air temperature for operation	-25...65 °C
Standards	UL 1741 CSA 107.1-01 IEEE 1547 CSA 2 C22.2 No.107-1-01