



Main

Range of product	TR
Device short name	TR2412-120-60
Product or component type	Trace Series inverter / charger
Type of signal	Modified sine wave - invert mode
Continuous power	2400 VA (output) - invert mode 4800 VA overload 10 s

Complementary

Output voltage	120 V rms AC - invert mode
Output current	20 A
Peak output current	80 A (tolerance: +/- 10 %) for short circuit,duration: 10 s
Power range	5...240 W - invert mode
Cos phi	0.8...1 leading or lagging - invert mode 0.89 (input) - bypass/charge mode
Input voltage limits	65...140 V AC wide-charge - bypass/charge mode 95...140 V AC narrow-charge - bypass/charge mode 11...15 V DC - invert mode
Input current	0.35 A DC no load - search mode - invert mode 252 A DC rated current - invert mode 15.8 A AC maximum charge rate - bypass/charge mode
Network frequency	55...64 Hz 55...68 Hz 41...68 Hz 60 Hz
Charging current	14...100 A DC adjustable - bypass/charge mode
Efficiency	> 92 % peak - invert mode
Relay type	Automatic transfert relay 30 A
Transfer time	40 ms for wide-charge 20 ms for narrow-charge
Device mounting	Wall mounted
Provided equipment	Battery temperature sensor included for temperature compensation
Height	184 mm
Width	216 mm
Product weight	19 kg

Disclaimer: This documentation is not intended as a substitute for and is not to be used for determining suitability or reliability of these products for specific user applications

Environment

Ambient air temperature for operation	0...50 °C
Standards	UL 1741 CSA C22.2 No 107.1
Product certifications	FCC Class B Industry Canada CSA
Marking	CE

Contractual warranty

Warranty period	60 months
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