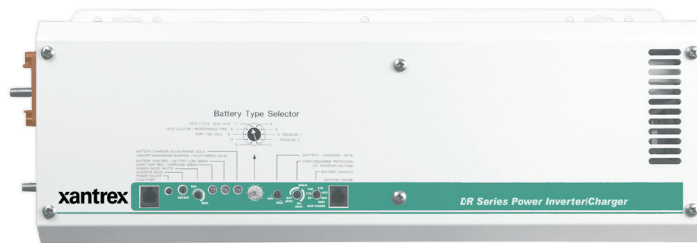


DR Inverter/Charger

220 VAC/60 Hz Mid-range Inverter/Charger



The DR Inverter/Charger provides dependable modified sine wave power for business, homes and workshops. Available in 1500 watt models, it can power most common electrical appliances such as lights, televisions, cash registers, refrigerators, washing machines, computers, and power tools. The DR's high surge capacity gives it the ability to start difficult motor loads. Once set up, all functions of the inverter/charger are fully automatic.

Features

- ▶ Quiet, high efficiency operation.
- ▶ Front panel LED indicators and adjustable switch selectors.
- ▶ Selectable settings for flooded lead acid, gel, or absorbed glass mat (AGM) batteries.
- ▶ Three-stage battery charging (bulk, absorption, and float) for increased performance.
- ▶ Low battery, overload, and high battery, over temperature protection circuitry.
- ▶ Fast switching (grid to battery and battery to grid) for backup power.
- ▶ Low idle current (less than one watt) conserves energy when no loads are present.
- ▶ Generator compatible.

Options

- ▶ Remote battery temperature sensor (BTS) increases battery performance and life.
- ▶ Remote control and status indicator (RC8) allows you to view system status remotely.
- ▶ Side mount conduit box (DRCB) makes code-compliant DC wiring connections convenient.

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DR Inverter/Charger

220 VAC/60 Hz Model

Electrical Specifications

Model	DR1512W	DR1524W
AC Input Voltage	220 VAC	220 VAC
AC Input Low Transfer Voltage	80-210 VAC	80-210 VAC
Maximum AC Input Current	25 amps	25 amps
Continuous Power (@25 °C)	1500 vA	1500 vA
Efficiency (Peak)	94%	94%
Output Voltage (RMS)	220 VAC	220 VAC
Maximum Output Voltage Regulation	± 5%	± 5%
Frequency (± 0.04% Crystal Controlled)	60 Hz	60 Hz
Continuous Output (@25 °C)	6.8 amps AC	6.8 amps AC
1 mSec Surge Capability	20 amps AC	20 amps AC
Automatic Transfer Relay	15 amps	15 amps
DC Input Voltage (Nominal)	12.6 VDC	25.2 VDC
DC Input Voltage Range	10.9-15.5 VDC	21.8-31 VDC
DC Current at Rated Power	150 amps DC	80 amps DC
Idle Consumption (Typ. at Full Voltage)	< 10 watts	< 10 watts
Search Mode Consumption	< 1 watt	< 1 watt
Maximum Charge Rate (Adjustable)	70 amps DC	35 amps DC
Waveform	Modified sine wave	
Load Sensing (Inverter Mode)	Adjustable 5 to over 100 watts (5 watts default)	
Power Factor (Allowed - lead or lag)	0.5 to 1.0 pf	0.5 to 1.0 pf

General Specifications

Specified Temperature Range	32 °F to 104 °F (0 °C to 40 °C)	
Enclosure Type	Indoor, ventilated, steel chassis with powder coat finish	
Unit Weight	38 lb (17.2 kg)	38 lb (17.2 kg)
Shipping	42 lb (19 kg)	42 lb (19 kg)
Dimensions (H x W x D)	8.5" x 22" x 7.25" (21.6 cm x 55.9 cm x 18.4 cm)	
Shipping Dimensions (H x W x D)	13" x 25" x 12" (33 cm x 63.5 cm x 30.5 cm)	
Mounting	Horizontal wall mount	
Warranty	2 years	
Part numbers	DR1512W, DR1524W - DR Inverter/Chargers	
	DRCB - Optional, conduit box	
	RC8 - Optional, remote	
	BTS - Optional, battery temperature sensor	

Features & Options

Forced Air Cooling	Standard forced air variable speed fan
Charging Profiles	Eight standard with two equalize profiles
Three-stage Charging	Standard three-stage (bulk, absorption, and float)
Battery Temperature Sensor	BTS - optional remote battery temperature sensor for increased battery performance
Remote Control	RC8 - optional remote control and status indicator
Conduit Box	DRCB - optional side mount conduit box for code-compliant DC wiring connections