

# Xantrex DR Inverter/Charger

The DR Inverter/Charger provides dependable modified sine wave power for businesses, homes and workshops. Available in 1,500, 2,400 and 3,600 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 DR Inverter/Charger are fully automatic.



## Product 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 (RC 8) allows you to view system status remotely.
- | Side mount conduit box (DRCB) makes code-compliant DC wiring connections convenient.
- | Stacking Interface (DRI) – optional stacking interface cable for 120/240 V AC 60 Hz applications (requires two inverters)

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## Technical data Xantrex DR Inverter/Charger:

Models	DR1512	DR2412	DR1524	DR2424	DR3624
AC Input Voltage	120 V AC	120 V AC	120 V AC	120 V AC	120 V AC
AC Input Low Transfer Voltage	40–105 V AC	40–105 V AC	40–105 V AC	40–105 V AC	40–105 V AC
AC Input Current	55 A AC – 30 A AC pass through and 25 A AC charging				
Continuous Power (@ 25 °C)	1,500 VA	2,400 VA	1,500 VA	2,400 VA	3,600 VA
Efficiency (Peak)	94 %	94 %	94 %	95 %	95 %
Output Voltage (RMS)	120 V AC	120 V AC	120 V AC	120 V AC	120 V AC
Maximum Output Voltage Regulation	± 5 %	± 5 %	± 5 %	± 5 %	± 5 %
Frequency (Nominal)	60 Hz	60 Hz	60 Hz	60 Hz	60 Hz
± 0.04 % crystal controlled					
Continuous Output (@ 25 °C)	12.5 A AC	20 A AC	12.5 A AC	20 A AC	30 A AC
<b>Surge Capability</b>					
5 sec Rating	2,400 W	4,200 W	3,500 W	6,200 W	7,500 W
1 m sec	38 A AC	77 A AC	41 A AC	80 A AC	100 A AC
100 m sec	27 A AC	55 A AC	29 A AC	58 A AC	72 A AC
Automatic Transfer Relay	30 A	30 A	30 A	30 A	30 A
DC Input Voltage (Nominal)	12.6 V DC	12.6 V DC	25.2 V DC	25.2 V DC	25.2 V DC
DC Input Voltage Range	10.8–15.5 VDC	10.8–15.5 VDC	21.6–31 VDC	21.6–31 VDC	21.6–31 VDC
DC Current at Rated Power	165 A DC	280 A DC	80 A DC	140 A DC	210 A DC
Short Circuit Current	400 A DC	800 A DC	280 A DC	560 A DC	720 A DC
Idle Consumption (Typical at Full Voltage)	< 9 W	< 12 W	< 9 W	< 12 W	< 13 W
Search Mode Consumption	< 1 W	< 1 W	< 1 W	< 1 W	< 1 W
Low Battery Protection (Enabled)	11 V DC	11 V DC	22 V DC	22 V DC	22 V DC
Maximum Charge Rate (Adjustable)	70 A DC	120 A DC	35 A DC	70 A DC	70 A DC
Waveform	Modified sine wave				
Load Sensing (Inverter Mode)	Adjustable 5 to over 100 W				
Power Factor (Allowed) (lead or lag)	0.5–1.0 pf	0.5– 1.0 pf	0.5–1.0 pf	0.5–1.0 pf	0.5–1.0 pf

Available from:

DRINVERTER-TD-USA-0507

BALANCE OF SYSTEMS