



Volta Power Systems

voltapowersystems.com

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VOLTA POWER SYSTEMS

INVERTER / CHARGER



REMOTE

Optional LCD remote display

COOLING

Thermally controlled cooling fan

UNIT PROTECTION

Provides automatic electronic short circuit/overload protection, automatic over-temperature shutdown, and an AC output circuit breaker

LOCAL STATUS LED

Provides inverter/charger operation mode and troubleshooting information at a glance

LOW BATTERY PROTECTION

Automatically shuts down at 47.3 VDC with in-rush delay

SURGE

High surge rating for large motor loads

BYPASS

Built in AC bypass relay

CHARGER DISABLE

Disabled via dry contacts

UNIT PROTECTION

Use with Volta energy systems only

INVERTER SPECIFICATIONS

Input battery voltage range	47.3- 58.2 VDC, 51VDC Nominal
Surge voltage	Up to 60 VDC
Nominal AC output voltage	120 VAC \pm 5%
Output frequency and accuracy	60 Hz \pm 0.05%
Total Harmonic Distortion (THD)	< 5%
Continuous power output	2700 Watts @ 30°C
Output current (nominal)	22.5 AAC
Input current	Up to 73 ADC
Peak power	5100 Watts
Peak output current (typical)	85.0 AAC
Motor starting rating	1.0 HP
Inverter efficiency	88.7% at 70% of rated load

Waveform	Pure Sine Wave, THD < 5%
Operating temperature	-20° C to +65° C (-4° F to 149° F)
Dimensions (l x w x h)	12.0" x 13.5" x 5.7"
Weight	40lb (30.8 kg)
Limited warranty	Three years

CHARGER SPECIFICATIONS

AC input wave form	Power factor corrected, single step, current limited
Output current	40 ADC
Input current bypass	30 AAC
Relay	30 AAC