

AC/DC Stromversorgung Batterie-Lader

Serie ZAT1600 primär getaktet

Stromversorgung und Batterie-Lader
Ausgangsleistung 1600Watt
temperaturgesteuerter Lüfter



Eingang:

Eingangswchselspannung 230V50/60Hz
50...260V (50...200V
reduzierte Leistung)
Eingangsgleichspannung 78...380V (78...200V
reduzierte Leistung)
Power factor > 0,99

Ausgang:

Ausgangsgleichspannung 24...48V
siehe Tabelle
Ausgangsgleichstrom siehe Tabelle
Ausgangsleistung siehe Tabelle
Wirkungsgrad >88%, 230V AC, 10...100%Last

Regeldaten:

Netzausregelung 0,01 %
Lastausregelung 0,2V
ohne Entk.-diode

Betriebsgrößen:

Betriebstemperaturbereich -25°C...+40°C
Leistungsreduzierung +40°C...+70°C
Kühlung Lüfter, temperatur gesteuert

Sicherheit:

Elektrische Sicherheit EN 60335-2-29 +A2
Prüfspannung prim. - sek.: 3,75 kV_{eff}
prim. - Masse: 1,5 kV_{eff}
sek. - Masse: 500V_{eff}

EMV:

Störaussendung EN61000-6-3
Störfestigkeit EN61000-6-4

Steuer-, Bedien- und Anzeigeelemente:

Betriebsanzeige LED, orange
Einstellung Spannung mit Potentiometer
Melderelais Option

Mechanik und Gewicht:

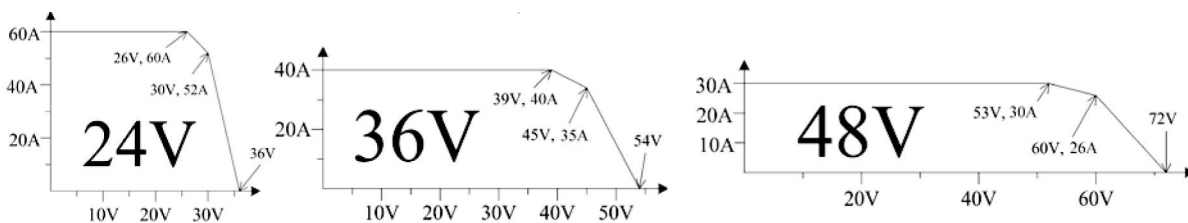
Abmessungen 267x135x85mm (BxHxT)
Gewicht 1,9kg

Gehäuse

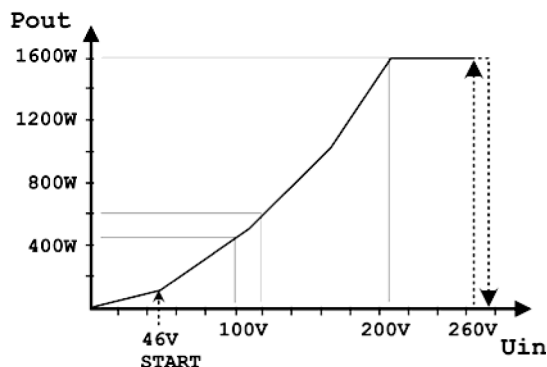
IP20, Metallgehäuse

Montage:

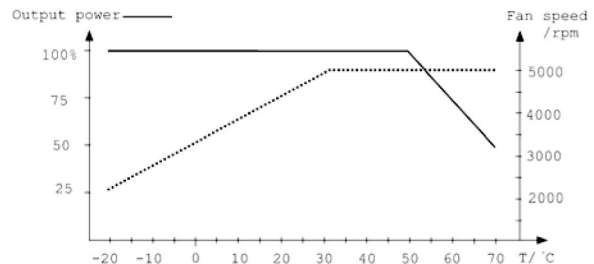
Befestigung Tisch, Wandmontage



Nominal output voltage / current characteristics 1600W models

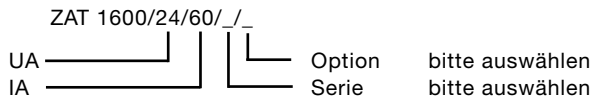


Output power / input voltage derating curve



Output power and fan speed vs ambient temperature

Bestellbezeichnung:



Serie:

/- Trimmereinstellung
AI ext.progr.0-5V
T temp.geführte Ladung

Option:

H Melderelais power fail
S RS232 slave Gerät, RS232 in and out
SH slave Gerät mit Relais, RS232 in

Stromversorgung und Batterielader, Potieinstellung

Typ	UA / IA	Watt
ZAT1600/24/60/_/_	24V60A	1600
ZAT1600/36/45/_/_	36V45A	1600
ZAT1600/48/30/_/_	48V30A	1600

Stromversorgung, ext.progr. 0-5V DC

Typ	UA / IA	Watt
ZAT1600/24/60/AI/_	24V60A	1600
ZAT1600/36/45/AI/_	36V45A	1600
ZAT1600/48/30/AI/_	48V30A	1600

Batterielader mit temp. geführter Kompensation

Typ	UA / IA	Watt
ZAT1600/27,4/60/T/_	27,4V60A	1600
ZAT1600/41,1/45/T/_	41,1V45A	1600
ZAT1600/54,8/30/T/_	54,8A30A	1600

Installation

The location must be dry, dust-free indoor use. The acceptable temperature range at full power is -25°C to +40°C. A higher ambient temperature will limit the power, see diagram at first page. The power supply is not waterproof. Keep it dry and away from areas of high humidity to avoid the risk of electrical shock and damage to the charger. The equipment may be installed either vertically or horizontally. To ensure sufficient ventilation, leave approximately 10cm free space to both ends of the unit. The charging process generates explosive hydrogen gas. Keep the area well ventilated. Never use an open flame or equipment that produces sparks near the charger.

Connection with DC Input

Wires in PSU's power cable to be connected as follows:
L DC input positive or negative
N DC input negative or positive
PE Ground

Output Voltage and Current Limit Adjustment

Trimmer or analog control adjustable modules:

The output voltage and output current limit of the module can be adjusted as follows:

- Trimmer adjustable models: with the multi-turn potentiometer located on the front panel
- Analog controllable models by external 0-5VDC voltage, see detailed instructions

Both voltage and current can be adjusted from zero to maximum value. Maximum 800W output power is available within the adjustment range.

Temp. comp. models:

Unit includes 16pcs of programmed output voltages, see temp. comp. models setting tables page. Any of these 16 different voltage settings can be taken in use and additionally this selected voltage can be adjusted $\pm 5\%$ with the trimmer on front panel. See instructions for choosing the programmed voltage and for the fine tune trimmer adjustment.

LED

A orange LED indicates that the output of the charger module is healthy.

Series / Parallel Connection

Parallel operation: No restrictions, passive load sharing.
Series operation: Up to 500V total voltage

WARNING!

Dangerous voltages, capable of causing death, are present in this equipment. Do not remove the cover. No operator serviceable parts inside. Refer servicing to qualified service personnel.