

YPOWER & HPOWER BATTERY CHARGERS



The battery chargers of the YPOWER and HPOWER ranges compatible with a **DC 288V (247V – 346V)** input network.

The + and - terminals of the DC input network must be connected to the PH and N terminals of the input connector (no polarity). The protective earth must be connected to the terminal block.



Warning : The installer must provide high voltage DC fuses upstream of the charger on the + and - poles. We suggest Mersen's ATM class Fast-Acting Midget Fuse (600VDC) in size 10x38.

Model	Input current at 288V	Efficiency at nominal conditions	Advised fuse
YPOWER 12V-16A	1.0	77.5%	ATM1-1/2 (1.5A)
YPOWER 12V-25A	1.4	83.8%	ATM2 (2A)
YPOWER 12V-40A	2.3	85.0%	ATM4 (4A)
YPOWER 12V-60A	3.3	87.4%	ATM5 (5A)
HPOWER 12V-90A	5.0	89.0%	ATM7 (7A)
YPOWER 24V-12A	1.4	83.8%	ATM2 (2A)
YPOWER 24V-20A	2.3	85.0%	ATM4 (4A)
YPOWER 24V-30A	3.3	87.4%	ATM5 (5A)
HPOWER 24V-45A	5.0	89.0%	ATM7 (7A)
HPOWER 24V-60A*	5.6	89.0%	ATM8 (8A)
HPOWER 24V-100A	11.0	87.3%	ATM15 (15A)
HPOWER 48V-30A**	5.6	89.0%	ATM8 (8A)
HPOWER 48V-50A	11.0	87.3%	ATM15 (15A)

* Output current limited at 50A

** Output current limited at 25A

Serial availability of 48V-30A and 48V-50A chargers planned for mid-2021

YPOWER & HPOWER BATTERY CHARGERS



The battery chargers of the YPOWER and HPOWER ranges compatible with a **DC 144V (121V – 169V)** input network.

The + and - terminals of the DC input network must be connected to the PH and N terminals of the input connector (no polarity). The protective earth must be connected to the terminal block.



Warning : The installer must provide high voltage DC fuses upstream of the charger on the + and - poles. We suggest Mersen's ATM class Fast-Acting Midget Fuse (600VDC) in size 10x38.

Model	Input current at 144V	Efficiency at nominal conditions	Advised fuse
YPOWER 12V-16A	1.4	77.5%	ATM2 (2A)
YPOWER 12V-25A	2.0	83.8%	ATM3 (3A)
YPOWER 12V-40A	3.3	85.0%	ATM5 (5A)
YPOWER 12V-60A	4.8	87.4%	ATM7 (7A)
HPOWER 12V-90A	8.1	89.0%	ATM12 (12A)
YPOWER 24V-12A	2.0	83.8%	ATM3 (3A)
YPOWER 24V-20A	3.3	85.0%	ATM5 (5A)
YPOWER 24V-30A	4.8	87.4%	ATM7 (7A)
HPOWER 24V-45A	8.1	89.0%	ATM12 (12A)
HPOWER 24V-60A	10.8	89.0%	ATM15 (15A)
HPOWER 24V-100A	16.9	82.0%	ATM25 (25A)
HPOWER 48V-30A	10.8	89.0%	ATM15 (15A)
HPOWER 48V-50A	16.9	82.0%	ATM25 (25A)

Load currents are limited at 75% of calibre $\pm 5\%$ (Eg : 45A for a 24V/60A)

Serial availability of 48V-30A and 48V-50A chargers planned for mid-2021