

3 Stage High Frequency Battery Chargers switchable to "power supply" mode

The only battery chargers on the market with a manual switch to "power supply mode" which allows the charger to be used as a power supply and/or DC backup system in conjunction with a battery.

- > Short circuit protection
- > Remote LED indicator for voltage and charge current
- > Reverse polarity protection - if polarity is reversed the "crowbar circuit" will activate to protect the battery charger from further damage. Reversed polarity is not covered under the warranty
- > Overload protection
- > Thermal and speed controlled fan
- > CE & LVD approvals

HT-C SERIES



**12V/40A or
24V/20A**



12V / 20A



24V / 10A



Remote control function

TECHNICAL SPECIFICATIONS

Model No.	HT-C-20-12	HT-C-40-12	HT-C-10-24	HT-C-20-24
AC Input voltage	230V(180V~270V)	230V(180V~270V)	230V(180V~270V)	230V(180V~270V)
AC Input Frequency	50/60Hz	50/60Hz	50/60Hz	50/60Hz
Output Voltage Nominal	12V	12V	24V	24V
Max. Output Current	20A(12V)	40A(12V)	10A(24V)	20A(24V)
Charging Type	3 stage	3 stage	3 stage	3 stage
Bulk Charge	10 ~ 14.5V($\pm 0.5V$), 20A	10 ~ 14.5V($\pm 0.5V$), 40A	20 ~ 29.0V($\pm 1.0V$), 10A	20 ~ 29.0V($\pm 1.0V$), 20A
Absorption Charge	14.5V($\pm 0.5V$),	14.5V($\pm 0.5V$),	29.0V($\pm 1.0V$),	29.0V($\pm 1.0V$),
Float Charge	13.5V @min. 0.5A depends on battery status	13.5V @ min. 0.5A depends on battery status	27.0V @ min. 0.5A depends on battery status	27.0V @ min. 0.5A depends on battery status
Output current range	20A~2A	40A~4A	10A~1A	20A~2A
Charger efficiency	85%	85%	85%	85%
Recommended Battery Type and size	lead-acid, up to 200Ah	lead-acid, up to 400Ah	lead-acid, up to 100Ah	lead-acid, up to 200Ah
Remote Control	YES	YES	YES	YES
Over Load Protection	YES	YES	YES	YES
Over temp. Protection	YES	YES	YES	YES
Reverse Polarity Protection	fused	fused	fused	fused
Operating temp	0 deg C ~30 deg C	0 deg C ~30 deg C	0 deg C ~30 deg C	0 deg C ~30 deg C
storage temp	-25 deg C ~70 deg C	-25 deg C ~70 deg C	-25 deg C ~70 deg C	-25 deg C ~70 deg C
Battery connection	1 pos. + 1 neg. terminal	1 pos. +1 neg. terminal	1 pos. + 1 neg. terminal	1 pos +1 neg. terminal
Dimensions LxWxH mm	300 x 179 x 82	380 x 179 x 82	300 x 179 x 82	380 x 179 x 82
Net weight Kg	3.1	4.5	3.1	4.5
AC Input cable supplied	YES	YES	YES	YES

Battery Charging (3-stage charging process)

