PowerHouse IHF Traction charger

The PowerHouse IHF traction charger from Crown battery is suitable for flooded and maintenance free battery. With a power factor close to 99% and an efficiency of about 92% the PowerHouse IHF Charger is a market leader in energy efficiency. The PowerHouse IHF charger combine microprocessor control with well established High Frequency IGBT technology to provide you with the highest quality Traction Chargers on the market today. These units are UL listed and capable of providing a ripple free charging current that improves the energy transfer from the charger to the battery. This prevents battery overheating during charging thus ensuring a longer battery life. They can be provided for nominal charging voltages from 24 VDC to 80 VDC. Equipped with a colored display showing the battery charging status, the PowerHouse IHF charger provides easy to use features and state of the art operational capabilities.

Key Features

- Microprocessor Controls , 14 pre programmed charging curves including a USB communication port using windowsTM based service software for easy operation maintenance and statistics.
- The service software compiles statistics data in separate hard drive such as Charges cycles , forced switch over, excess charging , I/U errors and low level electrolyte.
- Reduced volume and weight by a factor of 5.
- Provided with an optional BATCOM radio communication transmitter when installed on the battery, provides remote signals to the corresponding charger such as over-temperature, low electrolyte and battery capacity.
- Designed for 15 years or 30 000 operating hours.
- Blue led indicator on front panel for low electrolyte level alarm.
- Large colored charge status light.
- Optional Pilot contact controlled switch off.
- Relay control for electrolyte circulation / automatic water topping.

Technical Specifications

Input

Voltage : 207 288 VAC single phase
480 Vac three phase
Input Voltage Tolerance: +10%, -15%
Input Frequency: 50 or 60 Hz
Input Frequency Tolerance: 5%
Efficiency: 92% depending on input voltage
Input Power Factor: ~ 0.99
Humidity: 0 to 95% non-condensing
Altitude: 3300 ft (1000 m) CSA 107.2

Output

Voltage:24, 36, 48, 80 VDC
Current: 40 to 330 A

Standards

NEMA Compliant
UL 1564 (pending)
ANSI C84.1
CSA 107.2

Standard Models

VAC in	AC phase	Battery voltage (V)	Battery capacity (Ah)	Charging current (A)	Cabinet type	Crown Model Number
208 - 277	1	24	255	40	A	CR12HF1-40
208 - 277	1	24	450	70	A	CR12HF1-70
208 - 277	1	24	510	85	A	CR12HF1-85
208 - 277	1	24	600	100	A	CR12HF1-100
208 - 277	1	24	750	120	A	CR12HF1-120
480	3	24	865	140	B	CR12HF3-140
480	3	24	965	150	B	CR12HF3-150
480	3	24	1050	170	B	CR12HF3-170
480	3	36	510	85	B	CR18HF3-85
480	3	36	600	100	B	CR18HF3-100
480	3	36	750	120	B	CR18HF3-120
480	3	36	865	140	B	CR18HF3-140
480	3	36	965	150	B	CR18HF3-150
480	3	36	1050	170	C	CR18HF3-170
480	3	36	1200	200	C	CR18HF3-200
480	3	36	1360	220	C	CR18HF3-220
480	3	36	1450	240	C	CR18HF3-240

480	3	36	1600	260	C	CR18HF3-260
480	3	36	1750	290	C	CR18HF3-290
480	3	36	1980	330	C	CR18HF3-330
480	3	48	510	85	B	CR24HF3-85
480	3	48	600	100	B	CR24HF3-100
480	3	48	750	120	B	CR24HF3-120
480	3	48	865	140	C	CR24HF3-140
480	3	48	965	150	C	CR24HF3-150
480	3	48	1050	170	C	CR24HF3-170
480	3	48	1360	220	C	CR24HF3-220
480	3	80	600	100	C	CR40HF3-100
480	3	80	600	150	C	CR40HF3-100

Cabinet type	Size (inch)	Weight (lb)
A	16x20x11	33
B	16x20x11	66
C	22x31x16	154