Cette annexe fait partie intégrante du manuel d’utilisation
This appendix is part of installation and user manual
Dieser Anhang ist ein wesentlicher Bestandteil des Betriebsanleitung
Este anexo es parte integrante del manual de utilización
DIMENSIONING OF XTENDER’S DOWNSTREAM WIRING AND PROTECTIVE DEVICE

<table>
<thead>
<tr>
<th>XTH 3000-12</th>
<th>XTH 5000-24</th>
<th>XTH 6000-48</th>
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Figure 1a

MODEL AND SPECIFICATION TAG

Figure 1b
DIMENSIONING AND FIXING

**Figure 2a**

MINIMUM CLEARANCE FOR COOLING

**Figure 2b**
BATTERY CHARGE (DISCHARGE) CYCLE

Figure 3a Battery charge (discharge) cycle

Figure 3b Simplified battery charge (discharge) cycle
CONNESSION CABINET

Figure 4a

COMMAND AND INDICATORS

Figure 4b
BATTERY BANK

12V battery bank wiring with 2Vcell in series and parallel+series

Figure 5a

12V battery bank wiring with single and parallel 12Vcell

Figure 5b

24V battery bank wiring with 2Vcell in serie and parallel+series

Figure 5c

24V battery bank wiring with series and series/parallel 12Vcell

Figure 5d
48V battery bank wiring with series/parallel 12V cells

**Figure 6a**

48V battery bank wiring with series 12V cells

**Figure 6b**

48V battery bank wiring with 2V cell in series

**Figure 6c**

48V battery bank wiring with 2V cell in parallel+series

**Figure 6d**
Figure 7
WIRING EXAMPLES

Figure 8a  Wiring example of a single phase system (AC and DC side)

Figure 8b  Wiring variants for remote control ON/OFF

Figure 8c  Wiring example of a three-phase in/single phase out system
Figure 9a Wiring example of single phase with plugged generator

Figure 9b Wiring example of three phase in with plugged Xtender
**Figure 10a** Wiring example of a vehicle plugable on AC grid

**Figure 10b** Wiring example of a boat plugable on shore AC source without isolation transformer

**Figure 10c** Wiring example of a boat plugable on shore AC source with isolation transformer
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Figure 12  Wiring example of 3 units paralleled in single phase
Figure 13 Wiring example of 3 units in three-phase
Figure 14: Wiring example of 3 units in three-phase with single phase AC source
Figure 15: Wiring example of 3 units in three-phase + one phase (L3) paralleled.
Figure 16: Wiring example of 3 units paralleled and in three-phase
Figure 17 DC bus wiring example of 3 units paralleled and in three-phase
Figure 18 DC side star wiring example of 3 units paralleled and in three-phase
Figure 19  Wiring example of max 3 remote control RCC-02/03 connected on Xtender to control multiple Xtender system