Hager LTD
Hortonwood 50
TELFORD
TF1 7FT
UK

MANUFACTURER'S DECLARATION:

BS 7671:2018 Amendment 2 : 2022, regulation 551.7.2 (v) requires that

Where the generating set may operate in parallel with the supply for distribution of electricity to the public and is connected via a low voltage switchgear and controlgear assembly. The assembly shall be selected such that:

$I_{nA} \geq I_n + I_{g(s)}$

Where:

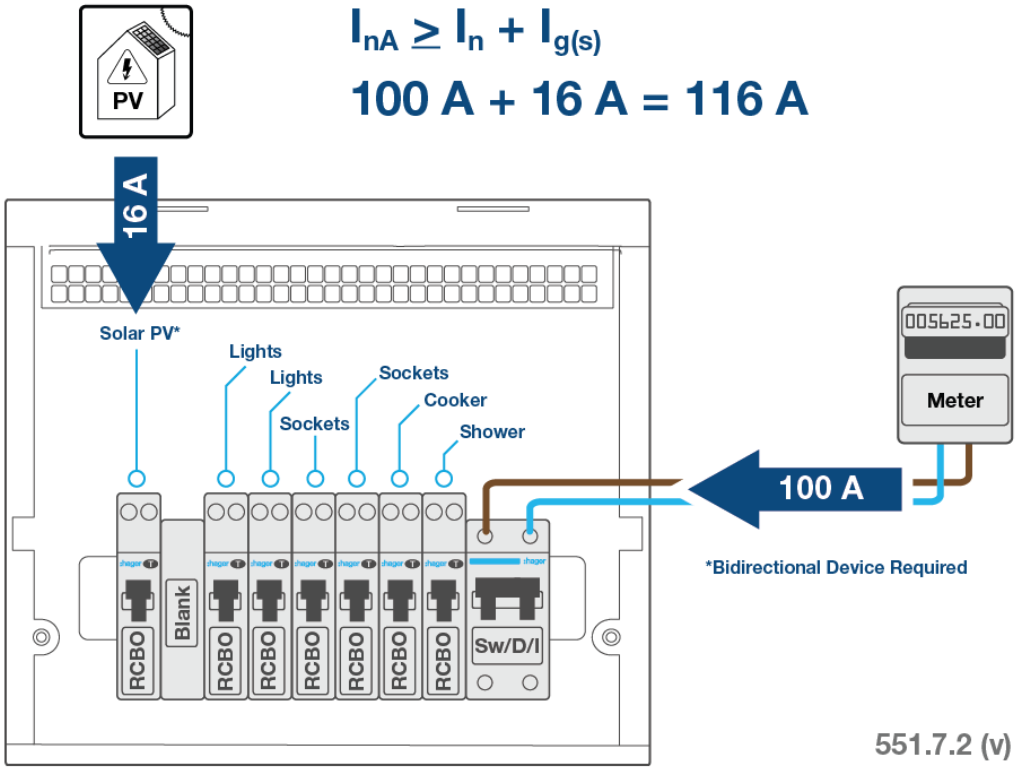
I_{nA} is the rated current of the assembly

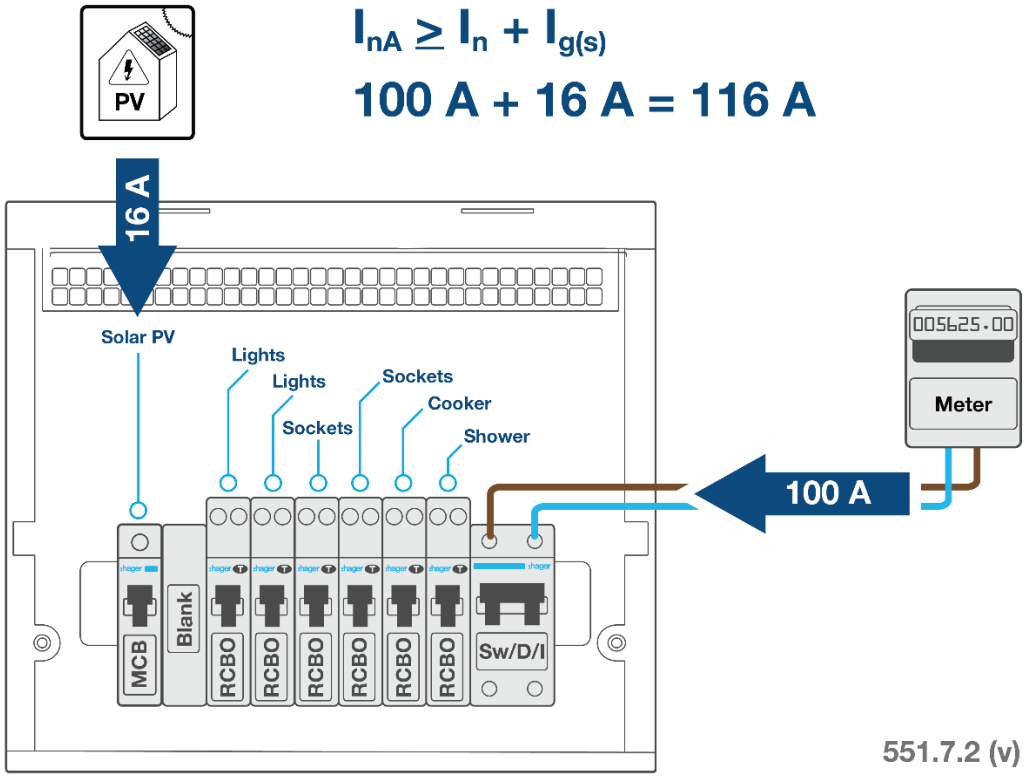
I_n is the rated current or current setting of the incoming circuit overcurrent protective device either incorporated within the low voltage switchgear and controlgear assembly or upstream of it

$I_{g(s)}$ is the rated output current of the generating set or sets.

Hager main switch controlled consumer units have been tested and verified with I_{nA} = 116 A to meet the requirements of G98 for parallel generator installations under the following installation conditions

i) The input from the generator must be electrically farthest from the main switch.
ii) The protective device shall have a 0.8 Rated Diversity Factor (RDF) applied i.e. be a rated current of 20 A.
iii) The protective device can be either MCB or RCBO (where installation conditions require an RCBO due to the need for additional protection).
The RCBO shall be:-
- DP i.e. swich all live conductors including the neutral &
- Bidirectional which can be determined by the absence of directional marking on the terminals.
- Selected in accordance with the inverter manufacturer's instructions.





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