

Introduction

Adding an energy storage solution to the shore power system as a standard facility would allow harbours in less stable grid network areas to support the docking of ships without limitations in the amount of available power connected.

Energy management system	Mc Energy® GridConn
Net voltage range	3x 380V..3x480V or 3,15kV.. 10kV
Net frequency	50/60Hz
Voltage drop compensation¹	Yes
Ambient temperature range	-20°C – 40°C
Local controls/manual operation	Through HMI
Modularity	Stackable
Hot swappable	Yes (on the DC battery side)
Warranty	Ex Works 12 months after delivery factory warranty
Remote control	Optional
Climate control	Enclosed air conditioning suitable for harsh environments
Enclosure size	20ft with twist locks

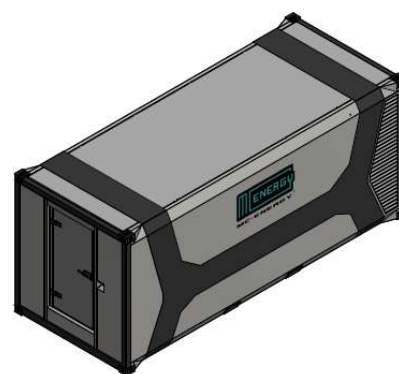


Figure 1: Shore power battery energy storage

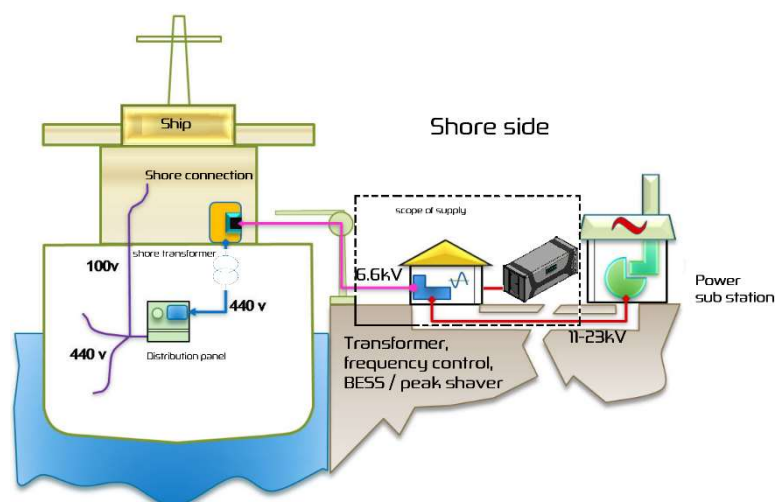


Figure 2: Shore power system

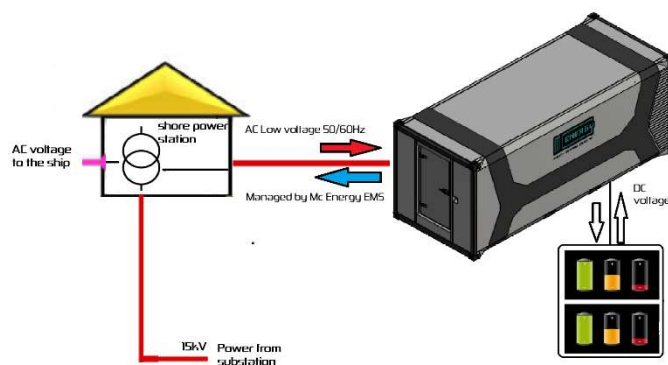


Figure 3: Mc Energy solution

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ENERGY STORAGE IS IN OUR DNA