

Datasheet - GridConn500 Containerized battery energy storage system

Standard characteristics

Energy management system	Mc Energy® GridConn
Net voltage range	3x 380V..3x480V
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 side)
Warranty	Ex Works 12 months after delivery factory warranty
Remote control	Optional
Climate control	Enclosed air conditioning suitable for harsh environments
Container size	20ft



Figure 1: GridConn500 Container

Standard parts and options

Type	Battery capacity (kWh)	Power (kVA)	Max connectable power	Container type (ft)	UPS capabilities?	Off grid capabilities
GridConn500	180kWh	625kVA	1500kWh (4x Battpack330)	20ft	Yes (2 units needed and synchronized)	Yes
Battpack330	330kWh	---	---	20ft	Yes (combined with GridConn)	No

Connection example²



Figure 2: GridConn500 in combination with 4x BattPack360 (1500kWh)

¹ The line voltage may drop over long cables or in weak grid areas. The system compensates this voltage drop.

² The example shows the maximum amount of connected battery packs to one GridConn500. This system is hot pluggable and can be expanded on demand with additional BattPack330 units up to a maximum of four units.

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