

General Technical Information

Sirius – Microgrid Package

Depending on the final design, the Sirius microgrid package enables mainly two targets - lower overall energy cost and secure operation of the entire campus electricity infrastructure in case of grid failure.

With the Sirius solution PV Systems (PVS), Battery Energy Storage Systems (BESS) or Diesel Gen-Sets are integrated in customers electricity infrastructure with a high degree of technical flexibility and upgradeability.



Content

	Standard	Optional
PV Systems (PVS)	X	-
- Roof integrated, ground based or car ports		
- Nominal power in blocks of 25, 50 or 110 kVA		
Battery Energy Storage System (BESS)	X	-
- Distributed integrated in existing infrastructure		
- Nominal power in steps of 8, 12, 24 or 50 kVA		
- Nominal capacity in steps of 10, 16 or 24 kWh		
Diesel Gen-Sets	-	X
- Nominal power ins steps of 50 kVA		
Energy Management System	X	-
- Islanding functionality in case of grid failure to maintain operational functionality of mission critical applications		
- Load and capacity management		
Engineering package including TUV and Yield Reports; project documentation	X	-
Implementation under Vaylax supervision	-	X

All services and resources are subject to availability as well as contractual terms and conditions. Some tasks might be sub-contracted to local partners.

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