



HomeHub

Modularer Energiespeicher für Gebäude

Datasheet HomeHub

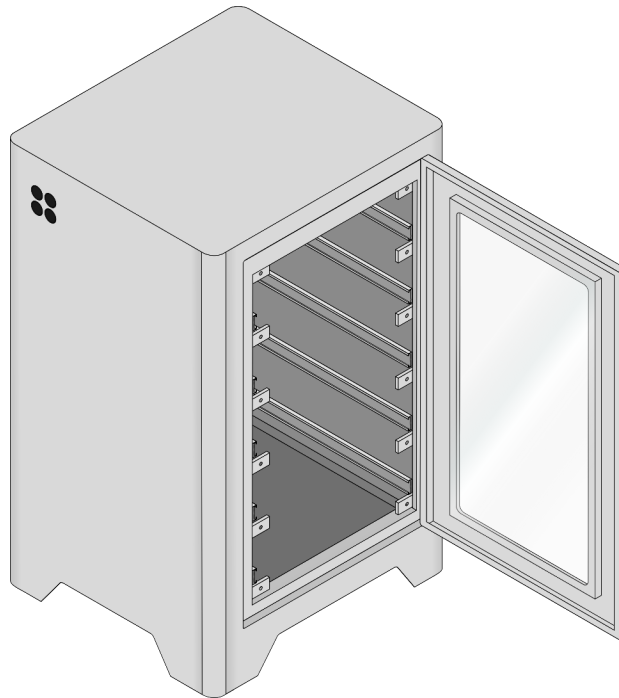
02/2024



Technical Data

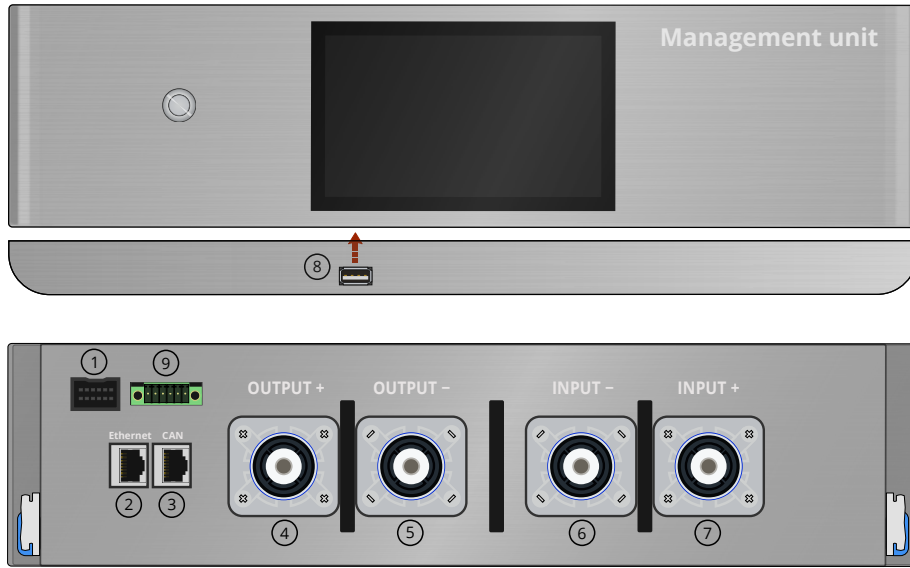
	2,5 – 10 kWh System	12,5 – 40 kWh system (two cabinets)
Maximum energy	10 kWh	40 kWh
Maximum capacity	200 Ah	800 Ah
Max. charge-/discharge current	200 A (1 C @ 25 °C)	240 A
Charging time	>1-2 h	>2-4 h
Voltage range	43.2 V _{dc} – 58.4 V _{dc}	
Maximum number of battery modules	16	
IP rating	IP 55	
Protection class	III (SELV/PELV)	
Communication ports	CAN (inverter communication) Ethernet (communication accessories such as the EMS, online updates, and service)	
Battery management system	Yes	
Software updatable	Yes	
Uninterrupted emergency power	Yes (for AC depending on battery inverter)	
Adjustable depth of discharge	Yes, between 60% and 100% (standard and recommended 80%)	
Conformity	CE, RoHS, IEC 62619:2017/AS IEC 62619:2017, YDB 032-2009, UN38.3	
Garantie	12 years up to 20 years expandable	
Material	Stainless steel	
Weight	124-208 kg 273-460 lbs	316-784 kg 697-882 lbs
Dimensions (length x width x height)	(690 × 550 × 1100) mm (27.2 × 21.7 × 43.3) in	
Operating temperature	-10 °C to +55 °C 14 °F to 130 °F	
Storage temperature	-20 °C to +60 °C -4 °F to 140 °F	
Relative humidity	Up to 95 % not condensing	
Protective devices	UVP (multi-level undervoltage protection) OVP (multi-level overvoltage protection) UTP (multi-level undertemperature protection) OTP (multi-level overtemperature protection) OCP (overcurrent protection) APT (adaptive power throttling) Fuse Power contactor	

Cabinet with Rails (CH5G1)



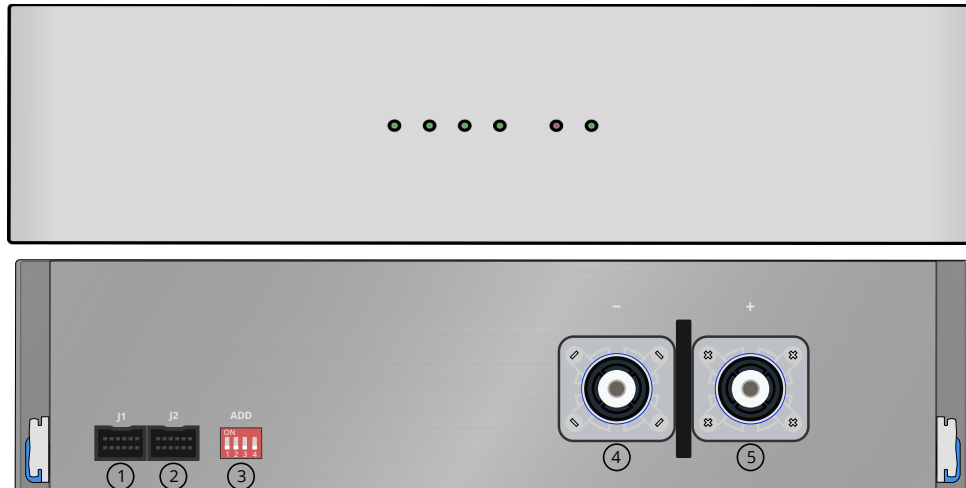
Maximum number of module inserts	5
Material	Stainless steel
IP rating	IP 55
Weight	80 kg 176 lbs
Dimensions (length x width x height)	(690 × 550 × 1100) mm (27.2 × 21.7 × 43.3) in
Cable duct	3 × 4 × M25 × 1,5 3 × 4 × 1 in × 1,5

Management Module (MU8G2)



Display	7" color display (WSVGA 1024×600 px)
Processor	1.5 GHz Quad-Core CPU
Working memory	1 GB DDR3 RAM
Data storage	about 28 GB
Maximum current	240 A
Maximum number of battery modules	16
Cabinet material	Stainless steel
Weight	16 kg 35 lbs16 kg
Dimensions (length x width x height)	(435× 502 × 118) mm (17.1 × 19.8 × 4.6) in
Connections	2 × M8 pole terminal for busbar 2 × M8 pole terminal for connecting cable 1 × internal battery bus 1 × Ethernet 1 × CAN bus for battery inverter
Operating temperature	-20 °C to +60 °C -4 °F to 140 °F
Storage temperature	-20 °C to +60 °C -4 °F to 140 °F
Relative humidity	Up to 95 % non-condensing
Adjustable depth of discharge	Yes, between 60% and 100% (standard and recommended 80 %)
Protective devices	UVP (common undervoltage protection), OCP (overcurrent protection), APT (adaptive power throttling), Power contactor, Fuse

Battery Module (BU25G2)



Nominal voltage	51.2 V _{dc}
Nominal capacity	50 Ah (2560 Wh) / 51.5 Ah (2635 Wh)
Recom. charge/discharge current	10 A (0.2 C @ 25 °C)
Maximum charging current	50 A (1 C @ 25 °C)
Cell chemistry	Lithium-Iron-Phosphate (LiFePO ₄)
Voltage range	43.2 V _{dc} – 58.4 V _{dc}
Temperature sensors	2
Balancer	2
Cells	16 (16S1P)
Protective devices	UVP (undervoltage protection at cell level), OVP (overvoltage protection at cell level), UTP (undertemperature protection), OTP (overtemperature protection), Power contactor
Charging temperature	0 °C bis +55 °C 32 °F to 130 °F
Discharging temperature	-10 °C bis +55 °C 14 °F to 130 °F
Storage temperature	-20 °C bis +60 °C -4 °F to 140 °F
Relative humidity	Up to 95% non-condensing
Connections	2 × M8 pole terminal for busbar 2 × internal battery bus (daisy chain) 1 × internal power supply
Number of cycles	6,000 (at 80% depth of discharge)
Weight	28 kg 62 lbs
Cabinet material	Stainless steel
Dimensions (length x width x height)	(435× 502 × 118) mm (17.1 × 19.8 × 4.6) in