

# Technical Data

## AX 6kWh BAT Energy Storage



Specification	AX12kWh BAT	AX18kWh BAT	AX24kWh BAT	AX30kWh BAT	AX36kWh BAT	AX42kWh BAT
Order number	9896139	9896140	9896141	9896142	9896143	9896144
<b>Electrical characteristics</b>						
Battery type	LiFePO4 Prismatic cells					
Battery modules	Batterie Master Order no. 9896134	1x AX 6kWh BAT-M				
	Batterie Slave Order no. 9896135	1x AX 6kWh BAT-S	2x AX 6kWh BAT-S	3x AX 6kWh BAT-S	4x AX 6kWh BAT-S	5x AX 6kWh BAT-S
Nominal Capacity [kWh]	11.98	17.97	23.96	29.95	35.94	41.93
Nominal Voltage [V]	115.2	172.8	230.4	288	345.6	403.2
Operating Voltage [A]	104.4~131.4	156.6~197.1	208.8~262.8	261.0~328.5	313.2~394.2	365.4~459.9
Recommend Discharge Current [A]	30					
Max. Charge/ Discharge Current [A]	50					
Peak Discharge Current [A]	65@60 sec.					
Efficiency [%]	>95					
Depth of discharge [%]	90					
Cycle Life <sup>1</sup>	≥6000					
Communication	CAN					
Display	S: LED*1, M: LED*6					
Scalability	Max. 7 modules in a row					
<b>Operating conditions</b>						
Installation Location	Outdoor / Indoor					
Operating Temperature [°C] <sup>2</sup>	Charge 0~55 / Discharge -10 ~ 55					
Storage Temperature [°C]	-10~40					
Cooling method	Natural Convection					
Humidity [%]	5~95 [No Condensing]					
Altitude [m]	max. 2000					
Ingress Protection	IP65					
<b>Mechanical characteristics</b>						
Dimensions [W * H * D] [mm]	660*420*360	660*575*360	660*730*360	660*885*360	660*1040*360	660*1195*360
Weight [kg]	111.2	161.2	211.2	261.2	311.2	361.2
<b>Certificates</b>						
EN 62040; EN62477; EN IEC 61000; RoHS; REACH, UN38.3; EN IEC 62619 VDE 0510;						

<sup>1</sup> 25°C, @90% DOD, 0.5C charging/discharging. <sup>2</sup> A reduction in charging power occurs between 0°C and +15°C.

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