Alpha·ESS

DATASHEET

Household Photovoltaic Energy Storage System (ESS)
is a new kind of power solution.

STORION SERIES

S5



- Plug & Play
- UPS
- Visualization
- Max. Self-consumption
- Long Lifetime

System Configuration

Cabinet	Storion-S5		
Battery Module	M4860	M48100	M48112-P
DoD	90%		
Installed Capacity	3/6/9/12 kWh	4.8/9.6/14.4/19.2 kWh	5.4/10.8 /16.1/21.5 kWh
Usable Capacity	2.7/5.4/8.1/10.8 kWh	4.3/8.6 /12.9/17.3 kWh	4.8/9.7 /14.5/19.4 kWh
Cycle Life	≥8000	≥6000	≥6000
Product Warranty	5 Years		
Battery Performance Warranty	10 Years		

Energy Storage System	
Model	Storion-S5
Phase	Single Phase
Display	7 Inch Touch LCD
Communication	Ethernet
Operating Temperature Range	-10 ℃ ~ 50 ℃
Humidity	15 % ~ 85 %（No Condensing）
Protection Level	IP21
Dimension (W x D x H)	610 x 650 x 1630 mm
Weight	150 kg (Without Battery)
Warranty	5 Years
Inverter Model	GW5048D-ES
Nominal Output Power	5000 W / 4600 W (DE)
Output Voltage	180 ~ 270 Vac
Grid Frequency	50/60 Hz
Max. Input PV Power	6600 W
Max. Input PV Voltage	580 Vdc
Max. Input PV Current	2 x 15 A
Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/.3, CEI 0-21:2014,G59/3
Safety	IEC 62109-1&-2, IEC 62040

* When the temperature is below 0°C, batteries are not allowed to be charged, and they will derate power output when it is above 40°C.

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