



# STORION-S3

HOUSEHOLD PHOTOVOLTAIC ENERGY STORAGE SYSTEM (ESS) IS A NEW KIND OF POWER SOLUTION.



**10 years**  
Performance Warranty



Plug & Play



UPS



Visualization



Self-consumption



20 Years Lifetime

SMARTEN  
YOUR  
ENERGY



## DATASHEET

### Energy Storage System

Model	Storion-S3
Phase	Single Phase
Display	7 Inch Touch LCD
Communication	Ethernet
Operating Temperature Range	0°C To 40°C
Humidity	15% - 85%
Protection Level	IP21
Dimension (W × D × H)	610 × 650 × 1630 mm
Weight	135 kg (Without Battery)
Warranty	5 Years
Inverter Model	AEV-3048
Nominal Output Power	3000 W
Grid Output Voltage Range (AC)	184 - 264.5 Vac
Grid Frequency	50/60 Hz
Max. Input PV Power	4500 W
Max. Input PV Voltage	500 Vdc
Max. Input PV Current	1*18 A
Grid Regulation	VDE-AR-N 4105, VDE 0126-1-1, AS 4777.2/3
Safety	IEC 62109-1&-2, AS 3100, IEC 62040-1, VDE-AR-E 2510-2

### System Configuration

Cabinet	Storion-S3	
Battery Module	M4850-M	M4860-M
DoD	80%	
Installed Capacity (KWh)	2.5/5.0/7.5/10.0/12.5/15.0*	3/6/9/12/15*/18*
Usable Capacity (KWh)	2/4/6/8/10/12*	2.4/4.8/7.2/9.6/12*/14.4*
Cycle Life	≥8000 @80%	
Warranty	5 Years Product Warranty, 10 Years Performance Warranty, 20 Years Extendible Warranty	

\*: Storion PowerPlug may be required.



#### Alpha Energy Storage Solution Co., Ltd.

Germany:  
 ☎ +49 (0)6103 / 459 160-1  
 ✉ europe@alpha-ess.de  
 🌐 www.alpha-ess.de  
 🏠 Paul-Ehrlich-Straße 1a,  
 63225 Langen

China:  
 ☎ +86 (0)512 682 876 09  
 ✉ info@alpha-ess.com  
 🌐 www.alpha-ess.com  
 🏠 NW2, Nano Polis, No. 99 Jinji Lake Avenue,  
 Industrial Park, Suzhou, 215123

Australia:  
 ☎ 1300 968 933 (Australia Only)  
 ✉ australia@alpha-ess.com  
 🌐 www.alpha-ess.com.au  
 🏠 Unit M601, 68 Mcevoy St,  
 Alexandria Nsw 2015