

AGAVE-SH-PLUS

Home Battery Energy Storage System

triobattery  green technology of the energy



Support storing energy from diesel generator

Product Introduction

Agave-SH-Plus, a brand new single phase hybrid all-in-one BESS, is best for all electric vehicle owners. It fully meets your needs of daily charging at home after get off work. Gain higher battery capacity with better home energy protection.

Pioneer

Lego-style design, easy to install
decoupling design, easy to maintain

Powerful

Higher weight power density,
>95Wh/kg, Up to 26.4kWh

Protectable

PPB level to ensure TWH safety,
10 years reliability

Elegant

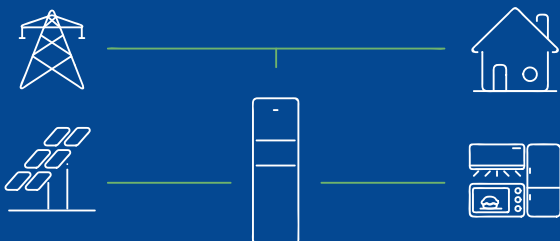
Easy work in cold and hot,
operating between
-20°C~60°C, IP65

Energetic

92% DOD, Quick CHG and DCHG,
more energy each time

Effortless

Remote update and control via
ECOS, always fresh



- Back-up power switching time <10ms, enjoy your uninterrupted life.
- Supports VPP and IOT.

Agave-SH-Plus Series



Technical parameters

Model	WH-SHC362-13.2kWh/WH-SHC362-16.5kWh WH-SHC362-19.8kWh/WH-SHC362-23.1kWh WH-SHC362-26.4kWh	WH-SHC462-13.2kWh/WH-SHC462-16.5kWh WH-SHC462-19.8kWh/WH-SHC462-23.1kWh WH-SHC462-26.4kWh	WH-SHC502-13.2kWh/WH-SHC502-16.5kWh WH-SHC502-19.8kWh/WH-SHC502-23.1kWh WH-SHC502-26.4kWh	WH-SHC602-13.2kWh/WH-SHC602-16.5kWh WH-SHC602-19.8kWh/WH-SHC602-23.1kWh WH-SHC602-26.4kWh	
PV Input					
Absolute max Voltage (d.c.V)				600	
MPPT Voltage Range (d.c.V)				100..550	
Max. DC Input Power (W)	4800	6200	6650	8000	
Start-up Voltage (d.c.V)				90	
Rated Operating Voltage (d.c.V)				360	
Max. Input Current (d.c.A)				12.5/12.5	
Max inverter backfeed current to array (d.c.A)				0	
IsC PV (d.c.A)				18/18	
NO. of MPP Trackers				2	
NO. of Strings per MPP Tracker				1	
Battery					
Li-ion					
Model	WH-SHC362/462/502/602-13.2kWh	WH-SHC362/462/502/602-16.5kWh	WH-SHC362/462/502/602-19.8kWh	WH-SHC362/462/502/602-23.1kWh	WH-SHC362/462/502/602-26.4kWh
Battery Capacity	LiFePO4 13.2kWh	LiFePO4 16.5kWh	LiFePO4 19.8kWh	LiFePO4 23.1kWh	LiFePO4 26.4kWh
Nominal Battery Voltage (d.c.V)	204.8	256.0	307.2	358.4	409.6
Battery Voltage Range (d.c.V)	192..230.4	240..288	288..345.6	336..403.2	384..460.8
Max. Charge/Discharge Current (d.c.A)				25	
Depth of Discharge (%)				92	
AC Input/Output					
Rated output Power (W)	3600	4600	5000	6000	
Rated Apparent Power to Grid (VA)	3600	4600	5000	6000	
Max. Apparent Power to Grid (VA)	3600	4600	5000	6000	
Max. Apparent Power from Grid (VA)	7200	9200	10000	12000	
Rated Voltage (a.c.V)				220/230/240	
Rated Frequency (Hz)				50/60	
Rated AC Current to Grid (a.c.A)	16	20	21.7	26.1	
Rated AC Current from Grid (a.c.A)	32	40	43.4	52.2	
Inrush current (a.c.A)				16 a.c.A (peak), 11.3 us (duration)	
Max. output fault current (a.c.A)				57 (peak), 40 (rms)	
AC output Maximum output overcurrent protection (a.c.A)				40	
AC input power factor				-0.8..+0.8	
AC output power factor				1 (-0.8..+0.8 adjustable)	
THDi				<3%	
EPS Output					
Max. Output Power (W)	3600	4600	5000	6000	
Rated Apparent Power (VA)	4320	5520	6000	7200	
Max. Apparent Power (VA)	4320	5520	6000	7200	
Rated Voltage (a.c.V)				220/230/240	
Normal Frequency (Hz)				50/60 (±0.2%)	
Rated Output Current (a.c.A)	18.8	24	26.1	31.3	
Inrush current (a.c.A)				16 a.c.A (peak), 11.3 us (duration)	
Max. output fault current (a.c.A)				57 (peak), 40 (rms)	
EPS output Maximum output overcurrent protection (a.c.A)				40	
Switch time (ms)				<10	
THDv @Linear Load (%)				<2	
Power Factor				-0.8..+0.8	
Efficiency					
PV Max. Efficiency (%)				97.6	
PV Europe Efficiency (%)				97	
PV Max. MPPT Efficiency (%)				99.9	
Battery Charge by PV Max. Efficiency (%)				98	
Battery Discharge Efficiency (%)				96.7	
Protection					
Over/Under voltage protection				Yes	
DC isolation protection				Yes	
DC injection monitoring				Yes	
Residual current detection				Yes	
Anti-islanding protection				Yes	
Over load protection				Yes	
Battery input reverse polarity protection				Yes	
PV reverse polarity protection				Yes	
Surge protection				Yes	
Over heat protection				Yes	
General Data					
Dimension (W/D/H)(mm)				600*425.5*1900	
Net weight (kg)	170	197	224	251	278
Operation Temp (°C)				-20..+50	
Relative Humidity (%)				0..95	
Altitude (m)				≤2000	
Ingress Protection				IP65	
Cooling				Natural	
Inverter Topology				Non-isolated	
Over voltage category				III(AC), II(DC)	
Protective class				Class I	
Active anti-islanding method				frequency shift	
Human Interface				LED/APP	
BMS Communication Interface				RS485/CAN	
Meter Communication Interface				RS485	
Noise Emission (dB)				<25	
Standby Power Consumption (W)				<5	
Safety and Approvals					
Safety				IEC 62619 UN38.3 IEC62040.1:2019 EN IEC 61000-6-2:2019 EN IEC 61000-6-3:2021	
Country				VDE-AR-N4105 G98/G99 CEI 0-21	

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