

## ► All-in-One Residential ESS

### ► Features & Advantages

**Safety**  
LFP Battery, Intelligent BMS and protective hardware providing complete protection

**Accuracy**  
Dynamic SOC calibration

**Compatibility**  
Suitable for most mainstream inverters

**Easy Installation**  
Modular design, stackable up to 32 packs

**Durability**  
6,000 cycles at 90% DOD

**Certificates**  
Comprehensive certificates



### ► Technical Specifications

Model	Single-Phase/U	Three-Phase/U
<b>Battery</b>		
Nominal Battery Energy	4.8~19.2kWh	14.4~19.2kWh
Battery Voltage	45~52.5Vdc	135~210Vdc
Battery Type	LFP	LFP
<b>Input DC (PV)</b>		
Max. PV Input Power	4.6~6kW	9~22.5kW
Max. DC Voltage	550V	1000V
MPPT Voltage Range	200~480V	180~850V
Max. Input Current per MPPT	15A	13A
MPPT Tracker/Strings	2/1	2/1
<b>AC Output</b>		
Rated Output Power	4.6~6kVA	6~15kVA
Max. Output Current	22~27.2A	8.7~21.7A
Nominal Grid Voltage	230V	380V/400V
Frequency	50/60Hz	50/60Hz
THDI	<3%	<2%
AC Output Topology	L+N+PE	3W+N+PE
<b>EPS Output</b>		
Rated Power	4.6~6kVA	8~12kVA
Rated Output Voltage	230V	400V
Rated Output Current	22~27.2A	8.7~21.7A
THDU	<2%	<2%
<b>General Data</b>		
Dimensions W*D*H (mm)	650*300*973 (4.8kWh)	650*300*1449 (14.4kWh) 650*300*1712 (19.2kWh)
	650*300*1236 (9.6kWh)	
	650*300*1499 (14.4kWh)	
	650*300*1762 (19.2kWh)	
Weight	80.5/123.5/166.5/189.5KG	168.5/191.5KG
	(4.8kWh/ 9.6kWh/14.4kWh/19.2kWh)	(14.4kWh/19.2kWh)
Ingress Protection	IP65	IP65
Operation Temperature	-10~50°C	-10~50°C
Humidity	5%~95%(non-condensing)	0~100%
Altitude	≤2,000m	≤4,000m
Noise Emission	<35dB	<25dB
Cooling	Natural	Natural
Warranty	10 years	10 years
Interface	RS485/CAN/DRM (Opt.WiFi/4G)	RS485/CAN (Opt.WiFi/GPRS/4G)
Safety Stand	IEC/EN62109-1/-2, IEC/EN62477-1	IEC/EN62109-1:2010, IEC/EN62109-2:2011
EMC	IEC/EN61000-6-1, IEC/EN61000-6-3	IEC/EN61000-6-1:2019, IEC/EN61000-6-2:2019, IEC/EN61000-6-3:2021, IEC/EN61000-6-4:2019, IEC/EN61000-3-2:2019/A1:2021, IEC/EN61000-3-3:2013/A22021, IEC/EN61000-3-11:2019, IEC/EN61000-3-12:2011,
		Europe:EN50549-1:2019/AC:2019, Poland:EN50549-1:2019/Rfg:2018/PTPIREE:2021, Germany:VDE-AR-N4105:2018/DIN, VDE-V-0124-100(VDE-V-0124-100):2022, South Africa:NRS 097-2-10;2017 Edition 2.1, UK:G99/1-6:2020,Spain:UNE217001:2020/ UNE207002:2020/NTS V2.1:2021-07, IEC61727:2004/IEC62116:2014/IEC61683:1999, Hungary:EN50549-1:2019/RFG:2016/Hungary.
Grid Regulation	South Africa NRS097-2-1:2017, UK G98, G99	

The final configuration is subject to adjustment based on the capacity and nature of the load, local solar radiation and other specific requirements of the end user.