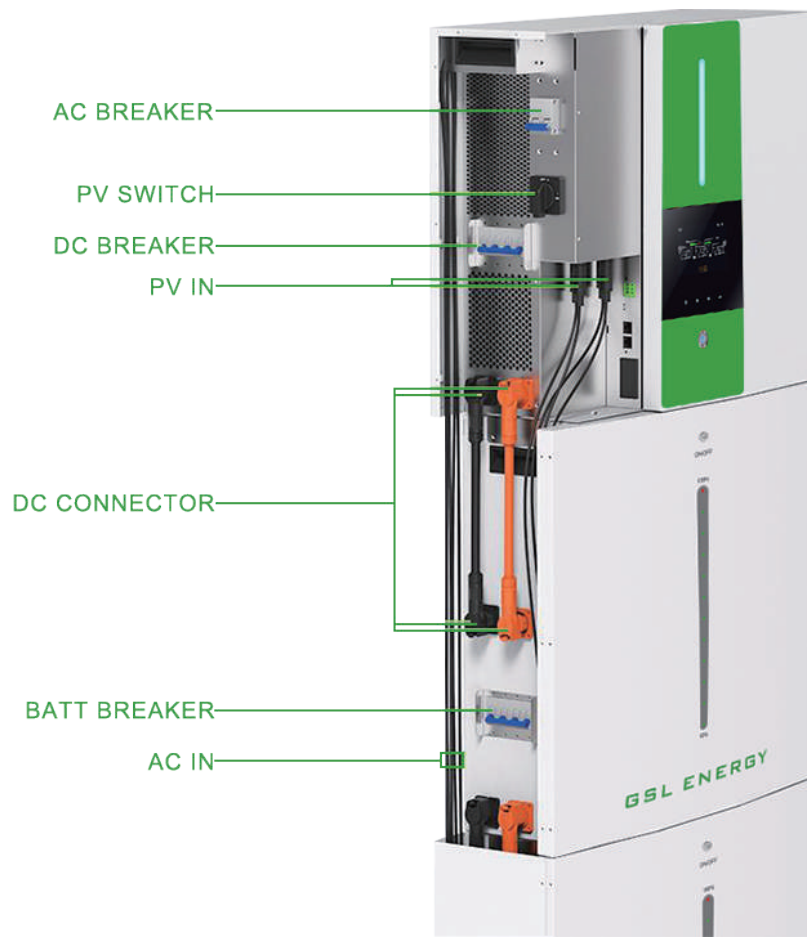
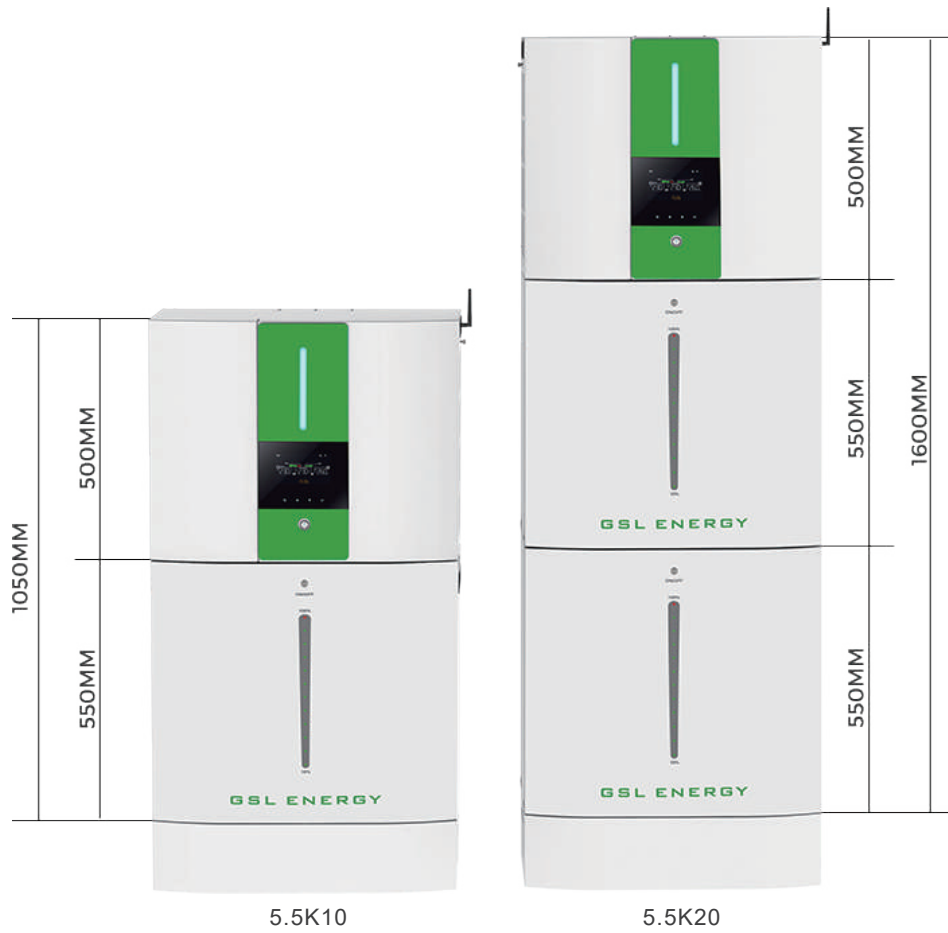


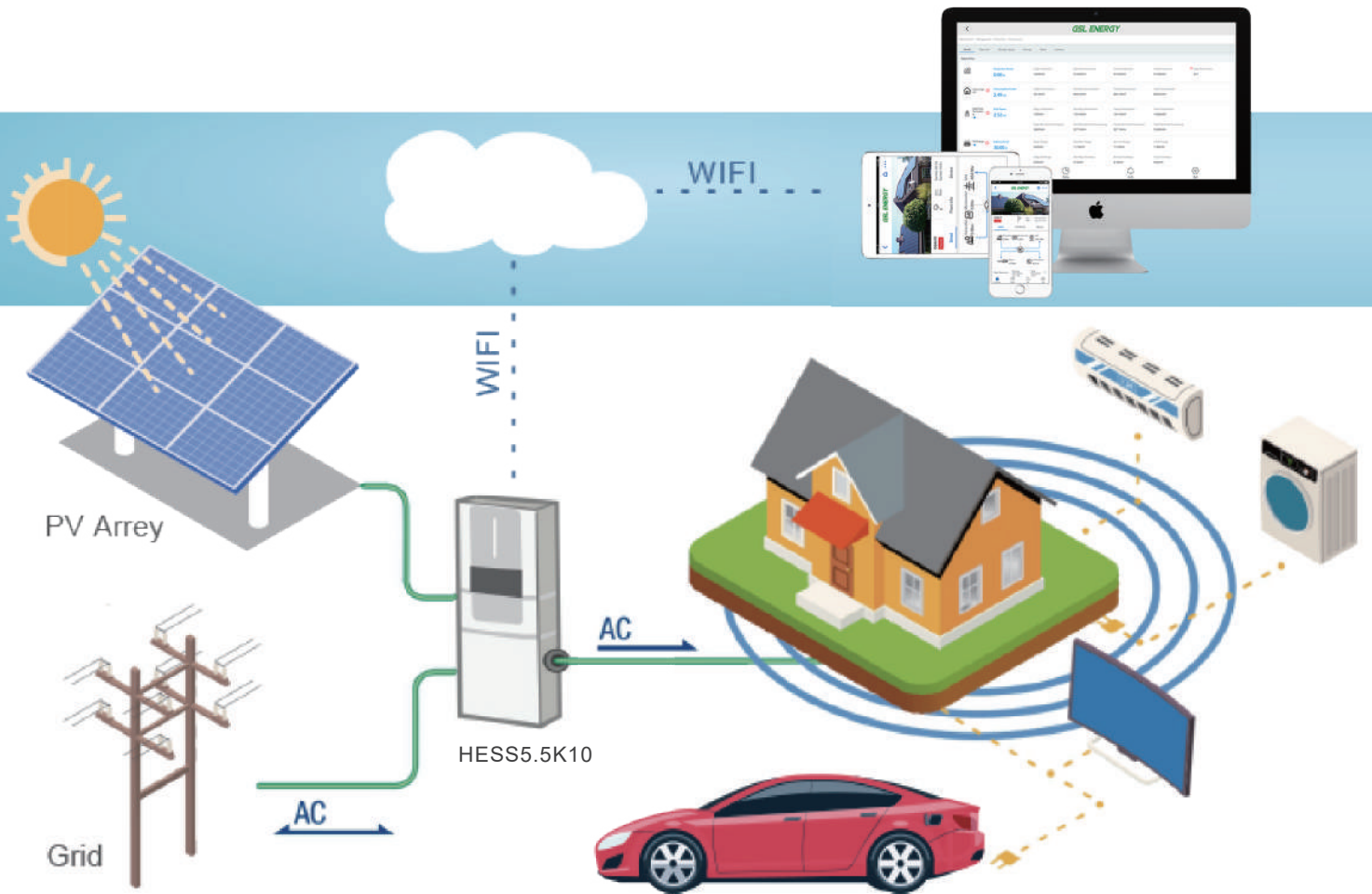
# Hybrid All-in-One Energy Storage System

HESS5.5K10-EU  
HESS5.5K20-EU





Model	HESS5.5K10-EU	HESS5.5K20-EU
<b>Inverter</b>		
Maximum PV Input Power	6500 W	
Rated Output Power	5500 W	
Maximum Charging Power	4096 W	
<b>PV INPUT (DC)</b>		
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC	
Start-Up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC	
MPP Voltage Range	120 VDC ~ 450 VDC	
Number of MPP Trackers / Maximum Input Current	2 / 2 x 13 A	
<b>GRID OUTPUT (AC)</b>		
Nominal Output Voltage	208 / 220 / 230 / 240 VAC	
Output Voltage Range	184-264.5 VAC*	
Maximum Output Current	23.9 A*	
Maximum Conversion Efficiency (DC / AC)	96%	
European Efficiency @ Vnominal	95%	
<b>AC INPUT</b>		
AC Start-Up Voltage / Auto Restart Voltage	120-140 VAC / 180 VAC	
Acceptable Input Voltage Range	170-280 VAC	
Maximum AC Input Current	40 A	
<b>BATTERY MODE OUTPUT (AC)</b>		
Nominal Output Voltage	208 / 220 / 230 / 240 VAC	
Efficiency (DC to AC)	93%	
<b>BATTERY CHARGER</b>		
Nominal DC Voltage	48 VDC	
Maximum Charging Current	100 A	
<b>PHYSICAL</b>		
Dimension, D x W x H (mm)	621 x 214 x 500	
Net Weight (kg)	25	
<b>BATTERY Technical Specifications</b>		
Nominal DC Voltage	51.2 VDC	
Battery Capacity	200Ah	400Ah
Maximum Charging Current	100 A	
Dimension, D x W x H (mm)	621 x 214 x 550	621 x 214 x 1100
Net Weight (kg)	90.3	180.6
Energy	10.24KWH	20.48KWH
Nominal Voltage	51.2 VDC	
Full Charge Voltage (FC)	56 V	
Full Discharge Voltage (FD)	45 V	
Maximum Continuous Discharging Current	120 A	
Maximum Discharging Current	120 A at 1 min	
Protection	BMS, Breaker	
Charge Voltage	56 V	
Charge Current	20 A (0.2 C)	
Maximum Charge Current	100 A (0.5 C)	
Standard Charge Method	0.2 C CC (Constant current) charge to FC, CV (Constant voltage FC) charge till charge current decline to < 0.05 C	
Inner Resistance	< 20 m Ohm	
Dimension, D x W x H (mm)	621 x 214 x 1050	621 x 214 x 1600
Gross Weight (kg)	126.7	224.9



### Application Scenario



Villa



Communication base station



Nomadic area



Farm



Household



Field power supply

