

# GHESS Series Next Generation Storage Hybrid System (3-phase, Economical version)

Storage System	GHESS 5.2_7.2KWH_T	GHESS 9.8_14.4KWH
<b>System parameters</b>		
Nominal capacity [kWh]	7.2	14.4
Installation	Separate installation	
Warranty [year]	5 years for products, battery 10 years extendable	
<b>PV side input</b>		
Max. input power [kW]	5.2	9.8
MPPT voltage range [V]	150 - 800	150 - 800
MPPT tracker	2	2
<b>Battery side input</b>		
Operating voltage range [V]	144 @ [120, 500]	288 @ [200, 800]
Max. charging power [kW]	4	8
Max. charging current [A]	18	20
Charging/discharging efficient	97% / 96.5%	97% / 96.5%
<b>AC output-grid</b>		
Max. output power [kW]	5	9.6
Output voltage range [V]	3N~400, 324 - 436, 437 - 460 (<10min.)	
Certification	VDE-AR-N4105	
<b>AC output-off grid (Optional)</b>		
Rated voltage & frequency [V/Hz]	400±2%, 50±2%	
Output power [kW]	Rated power 2.5, instantaneous power 5.0	Rated power 5.0, instantaneous power 9.6
Power factor	[-0.95, +0.95]	[-0.95, +0.95]
Inverter dimension (W * H *D) [mm]	473 * 595 * 233	540 * 670 * 275
<b>Battery packs</b>		
<b>LiFePO4 battery</b>		
Nominal capacity [kWh]	7.2	14.4
Module/unit	H48V / 50Ah LFP battery * 3 modules in string	H48V / 50Ah LFP battery * 6 modules in string
Life cycle	80% DOD for 6000 life cycles	
Dimension (W*H*D) [mm]	563 * 400 * 1066	563 * 400 * 1610
<b>Visual interface</b>		
<b>Webportal &amp; Smart Apps</b>		
EMS	Integrated EMS	
Interface communication	RS485 / WiFi	



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