

# RHE30S3

MICRO-GRID SYSTEM

## SPECIFICATION



RHE30S3 Micro-Grid System				
Item	Unit	Data		
Voltage	AC V	380	400	415
Max. output power	kVA/kW	36/36	36/36	36/36
Max. current	A	55	52	50
Continuous output power	kVA/kW	30/30	30/30	30/30
Continuous current	A	46	43	42
Overload capability		110% last 10mins, 120% last 1min ( SOC>30%, AT<45°C )		
Frequency	Hz	50		
Phase	P	3		
Power factor	PF	1		
Dimensions	mm	2046 x 1080 x 1886		
Dry weight	kg	1605		
40' Loading	Qty	11		
Noise level	dBA@7m	50		
Protection level		IP54		
Ambient temperature		-20°C-50°C		
Power connection input		DC terminals: 19+19KW AC copper: 30kW		
Power connection output		AC copper: 30kW AC socket: 1P&3P		
Certification standards		 UN 38.3  IEC 62619  IEC 62477  IEC / EN 60529 EN 61000-6-1/2/3/4 AS 4777.2 G99 CE Declaration of Conformity		

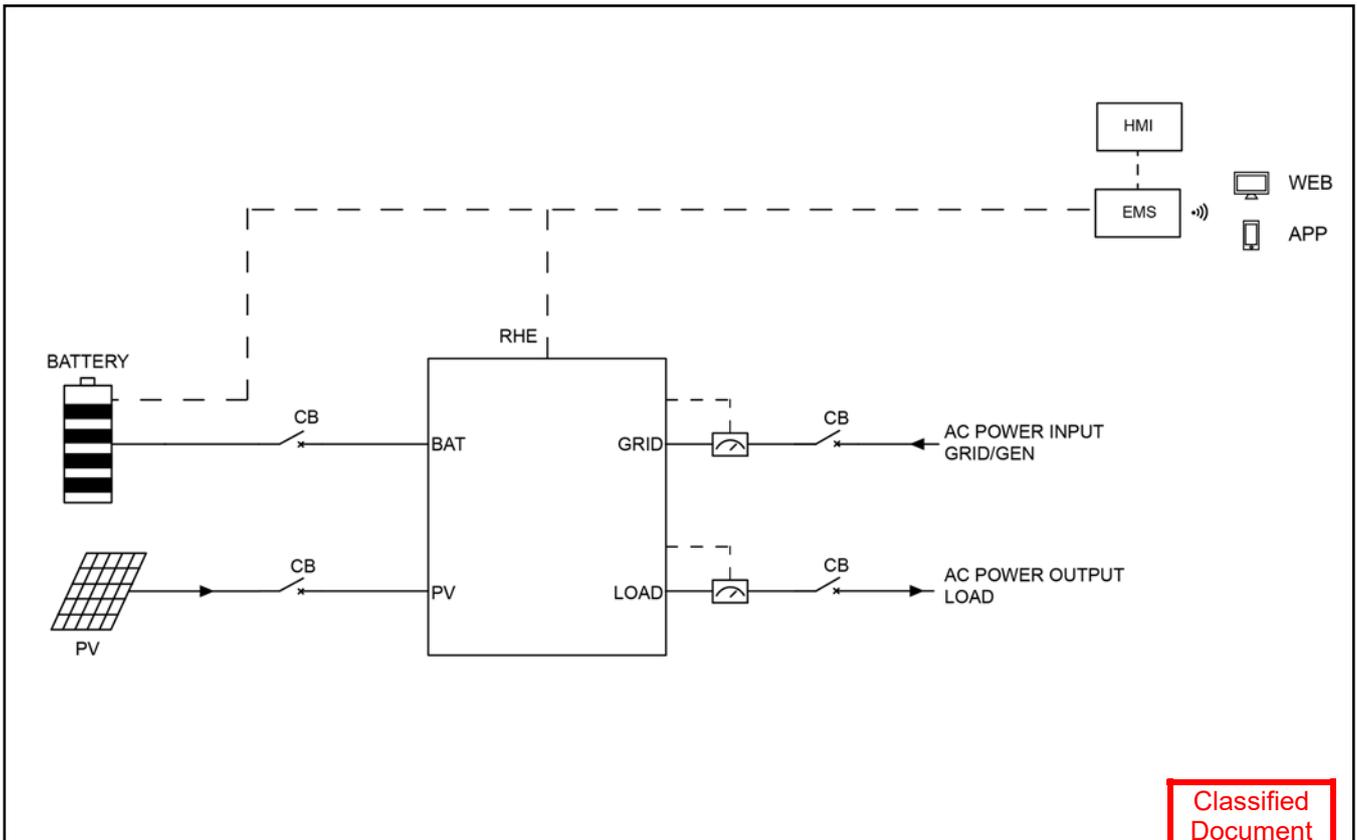
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**The technical data is measured in standard conditions:**

- Absolute atmospheric pressure: 100kPa
- Ambient temperature: 25°C
- Relative air humidity: 30%

Note: If the on-site operating environment changes, the parameters on the specification will change accordingly.

## System working principle



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## Intelligent Energy Management



DC/AC System		
Rated power	kVA/kW	30/30
Output voltage	AC V	380/400/415
Parallel / On-grid function		Parallel: <input checked="" type="checkbox"/> ; On-grid: <input checked="" type="checkbox"/>

Grid/Gen Power Input		
Rated power	kVA/kW	30/30
Phase	P	3

PV System		
MPPT rated power	kWp	19+19
Rated voltage	DC V	200-800
NOTE: Solar panels are optional.		

Battery System		
Battery type		LiFePO4
Battery capacity	kWh	75
Rated voltage	DC V	499
Cooling system		Natural cooling
Max charging rate		1C
Max discharging rate		1C
DOD (depth of discharge)		Default 80% (set via SOC)
NOTE:		
1. The discharge power decreases as the battery SOC decreases.		
2. The battery capacity can be expanded up to 124.8kWh.		
3. Equipped with air-conditioning for cooling.		

Control System		
HMI control panel	inch	10.3" Touchscreen
Communication interface		WAN/WIFI/SIM
Cloud services		APP/WEB

\* Data is subject to change without prior notice as new products are always developed.  
Please contact POWERLINK or local agent with any doubts or for more information.

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