

# TECHNICAL DATA

Hybrid Inverter Model	RESS-3P-6K-H00	RESS-3P-8K-H00	RESS-3P-10K-H00	RESS-3P-12K-H00	RESS-3P-15K-H00
<b>Battery</b>					
Battery Type	LFP (LiFePO4)				
Rated Battery Voltage	204.8V/307.2V/409.6V/512V				
Battery Voltage Range	125-600V				
Max. Charging Current	50A				
Max. Discharging Current	50A				
<b>Efficiency</b>					
Max. PV Efficiency	97.9%		98.2%		98.5%
Euro. PV Efficiency	97.2%		97.5%		97.6%
<b>Protection</b>					
PV Over Voltage Protection	Yes				
String Fault Detection	Yes				
Residual Current Detection	Yes				
Insulation Detection	Yes				
Anti-islanding Protection	Yes				
DC Switch (battery)	Yes				
DC Reverse Polarity Protection	Yes				
AC/DC Surge Protection	DC Type II; AC Type III				
AC Over Voltage Protection	Yes				
AC Over Current Protection	Yes				
AC Short Circuit Protection	Yes				
Leakage Current Detection	Yes				
Ground Connection Detection	Yes				
<b>Function</b>					
Battery Charging From Grid	Yes				
Remote On/Off	Yes				
OTA	Yes				
<b>General</b>					
Dimensions W*H*D	530*560*220mm				
Net Weight	30kg	31kg		33kg	34kg
Installation	Wall-mounted				
Operating Temperature Range	-25°C~+60°C, (derating above 40°C)				
Storage Temperature Range	-25°C~70°C				
Max. Operating Altitude	2000m (no derating)				
Relative Humidity Range	0~95% (No Condensation)				
Ingress Protection Rating	IP65				
Cooling	Natural convection				
Noise	<35dB				
Communication	RS485/CAN2.0/(WIFI/4G option)				
Display	LCD/APP				
Warranty	5years (expand to 10 years)				
<b>Certification</b>					
Certification	IEC/EN62109-1:2010, IEC/EN62109-2:2011 IEC/EN 61000-6-1/2/3/4:2019, IEC/EN 61000-3-2:2019/A1:2021, EN 61000-3-3:2013/A2:2021, IEC/EN 61000-3-11:2019, EN 61000-3-12:2011 EN 50549-1:2019/AC:2019, EN50549-1:2019/Rfg:2016/NC Rfg:2018/PTPIREE:2021, VDE-AR-N 4105:2018/DIN VDE V 0124-100(VDE V 0124-100):2020, NRS 097-2-1:2017 Edition 2.1, G98/G99/1-6:2022, UNE217001:2020 /UNE217002:2020/NTS V2.1:2021-07, IEC61727:2004/IEC62116:2014/IEC61683:1999, EN50549-1:2019/RFG:2016				
<b>Compatible Battery System</b>					
Compatible Battery System	RESS-BS-7.6-H1; RESS-BS-11.4-H1; RESS-BS-15.2-H1; RESS-BS-19-H1				