

RSH-3000 HYBRID INVERTER SPECIFICATION

MODEL	RSH-3000
RATED POWER	3000 W
GRID-TIE OPERATION	
PV INPUT (DC)	
Nominal DC Voltage/Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	250 VDC ~ 450 VDC
Maximum Input Current	13 A
GRID/UTILITY INPUT (AC)	
Nominal Output Voltage	208/220/230/240 VAC
Output Voltage Range	184 - 265 VAC*
Nominal Output Current	13.6 A
Power Factor	> 0.99
EFFICIENCY	
Maximum Conversion Efficiency (DC/ AC)	>95.5%
European Efficiency @ Vnominal	>94.5%
OFF-GRID OPERATION	
AC INPUT	
AC Start-up Voltage/Auto Restart Voltage	120 - 140 VAC / 185 VAC
Acceptable Input Voltage Range	175 - 280 VAC*
Maximum AC Input Current	20 A
PV INPUT (DC)	
Maximum DC Voltage	500 VDC
MPP Voltage Range	250 VDC ~ 450 VDC
Maximum Input Current	13 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	208/220/230/240 VAC
Output Waveform	Pure sinewave
Efficiency (DC to AC)	92%
HYBRID OPERATION	
PV INPUT (DC)	
Nominal DC Voltage / Maximum DC Voltage	360 VDC / 500 VDC
Start-up Voltage / Initial Feeding Voltage	116 VDC / 150 VDC
MPP Voltage Range	250 VDC ~ 450 VDC
Maximum Input Current	13 A
GRID/UTILITY OUTPUT (AC)	
Nominal Output Voltage	208/220/230/240 VAC
Output Voltage Range	184-265 VAC
Nominal Output Current	13.6 A
AC IUPUT	
AC Start-up Voltage / Auto Restart Voltage	120 - 140 VAC / 194 VAC
Acceptable Input Voltage Range	184-265 VAC
Maximum AC Input Current	20 A
BATTERY MODE OUTPUT (AC)	
Nominal Output Voltage	208/220/230/240 VAC
Efficiency (DC to AC)	92%
BATTERY & CHARGER	
Nominal DC Voltage	48 VDC
Maximum Charging Current	25A
GENERAL	
PHYSICAL	
Dimension, D X W X H (mm)	420 x 415 x 170
Net Weight (kgs)	15.5
INTERFACE	
Communication Port	RS-232/USB
Intelligent Slot	Optional SNMP, Modbus, GPRS, and AS-400 cards available
ENVIRONMENT	
Humidity	0 ~ 90% RH (No condensing)
Operating Temperature	0 to 40°C
Altitude	0 ~ 1000 m*

*AC voltage range may vary depending on different AC voltage
 * Power derating 1% every 100 m when altitude is over 1000m.
 Product specifications are subject to change without further notice.