



● AC Coupled storage inverter

● River-Bato series

● RB3648 / RB5048

## FEATURE

### ● Excellent Output Capability

Capable of being grid-interactive or grid-independent

10% over power support for 10s

Available for inductive load like air conditioners or refrigerators

### ● UPS Function Available

UPS function with 10 ms automatic switchover

### ● Intelligent Monitoring, User Friendly

Firmware can be upgraded via USB flash disc.

Easy connection for GPRS or WIF module. Remotely monitoring system anytime and anywhere through web portal or mobile APP .



Inverter	RB3648	RB5048
<b>Battery</b>		
BatteryType	Li-ion	Li-ion
Nominal Battery Voltage	48V	48V
battery Voltage Range	42-58V	42-58V
Max. Charging Current	75A	100A
Max. Discharging Current	75A	100A
<b>On Grid</b>		
Max. Output Apparent Power [VA]	3680VA	5000VA
Max. AC Current Output [A]	16	24
Nominal Output Voltage [V]	230	230
AC Voltage Range [V]	187 - 270	187 - 270
Nominal Output Frequency [Hz]	50/60	50
Frequency Range [Hz]	45 - 55 / 55 - 65	45 - 55 / 55 - 65
Output Power Factor	>0.99 / 0.8 leading... 0.8 lagging	>0.99 / 0.8 leading... 0.8 lagging
Output THDi (@Nominal Output)	< 3 %	< 3 %
charging power factor	>0.99	>0.99
<b>Off Grid</b>		
Max. Output Apparent Power [VA]	3680	5000
Peak Output Apparent Power [VA]	4500,10s	5500,10s
Max. AC Current Output [A]	16	24
Nominal Output Voltage [V]	230	230
Nominal Output Frequency [Hz]	50	50
Output THDv (@Nominal Output, linear	<3%	<3%
<b>Efficiency</b>		
Max. Battery charge efficiency (AC to BAT)	94.7%	94.7%
Max. Battery discharge efficiency (BAT to	94.5%	94.5%
<b>Safety and Protection</b>		
Surge protection	YES	
Output short circuit protection	YES	
Protection Class	I	
Overvoltage Category	DC II / Mains III	
<b>General data</b>		
Dimensions (WxHxD) [mm]	385*455*194	
Weight (kg)	20	21
Environmental Protection Rating	IP65	
DC/AC Connertor	Fastening screw	
Cooling	Natural convection	
Mounting	Wall bracket	
<b>Feature</b>		
Protection Degree	IP65	
Operating Temperature Range[°C]	-25 ~ +60, derating when temperature>45°C	
Relative Humidity	0 - 95%,non condensing	
Operating Altitude [m]	<2000	
Noise [dB]	< 35	
Topology	High Frequency Isolation	
Communication with BMS	CAN/RS485	
Communication with Meter	RS485	
Monitoring	WiFi/GPRS	
Firmware Upgrating	USB Disk	
HMI	LED&LCD, CapSen key	
Certifiacation	AS 4777.2, C10/11, CE, CEI 0-21, EN 50549, G99,DIN EN 62109 , IEC 62109, RD1699, VDE-AR-N 4105,VDE0126-1-1,IEC 61727, IEC 62116R-N 4105, VDE0126-1-1,IEC 61727, IEC 62116	