

RS-HS



RS-HS-3.6K | RS-HS-5K | RS-HS-8K



Maximum efficiency 97.3%,
battery efficiency 94.3%



Maximum Charge/
Discharge current 120A



Multiple protections
built-in, optional Type II SPD



Quick commission through
APP, 7*24h remote
monitoring, configuring, up

Single phase hybrid inverter performance parameter

Single phase hybrid inverter			
MODEL	RS-HS-3.6K	RS-HS-5K	RS-HS-8K
	Input(DC)		
Max. PV Input Power	6,300W		12000W
Max. DC Voltage	550V		600V
Start Voltage	90V		90V
MPPT Voltage Range	70V-540V		70V-540V
Number of MPPT	2		3
Strings Per MPPT	1/1		2/2
Max. Input Current Per MPPT	15A/15A		30A/22A/22A
Max. Short-circuit Current Per MPPT	20A/20A		40A/30A/30A
	Bat		
Battery Type	Lithium-ion, Lead-acid		
Nominal Battery Voltage	48V		
Battery Voltage Range	40V-65V		
Max. Charge/Discharge Current	60A/60A	120A/120A	210A/180A
Max. Charge/Discharge Power	3000W/3000W	6000W/6000W	10000W/8000W
	Output(Grid)		
Nominal AC Output Power	3600W	5000W	8000W
Max. AC Apparent Power	3960VA	5500VA	8800VA
Max. AC Output Power (PF=1)	3960W	5500W	8800W
Max. AC Output Current	18A	25A	40A
Nominal Grid voltage	220V/230V/240V L+N+PE		
Grid Voltage Range	150V-300V (Adjustable)		
Nominal Grid Frequency	50Hz/60Hz		
Grid Frequency Range	45Hz-55Hz/55Hz-65Hz (Adjustable)		
Power Factor	>0.99 @rated power (Adjustable 0.8 LD - 0.8 LG)		
THDI	<3% (Rated Power)		
	Output(Back Up)		
Nominal Output Power	3000W	5000W	8000W
Nominal Output Current	13A	21.7A	34.8A
Peak Power(1s)	4500VA	7500VA	16000VA
Nominal Output Voltage	220V/230V/240V, L+N+PE		
Nominal Output Frequency	50Hz/60Hz		
Transfer Time	<10ms		
THDV	3% @100% R Load		
	Efficiency		
Max. Efficiency (PV to AC)	97.3%		98%
Max. Efficiency (BAT to AC)	94.3%		94.5%
	Protection Devices		
DC Switch	Class I		
Anti-islanding Protection	Yes		
AC Over Current Protection	Yes		
AC Over Voltage Protection	Yes		
AC Short Circuit Protection	Yes		
DC Reverse Protection	Yes		
Surge Arrester	DC Type III, AC Type III		
PV Insulation Detection	Yes		
Leakage Current Protection	Yes		
	General Specifications		
Dimensions W x H x D	570mm*495mm*175mm		420mm*800mm*240mm
Weight	20Kg	25kg	37kg
Operating Temperature Range	-25°C-60°C (>45°C derating)		
Max. Operating Humidity	0-100%		
Cooling Type	Natural		Fan Cooling
Max. Operating Altitude	4000m (>2000m derating)		
IP Class	IP65		
Mounting	Wall bracket		
PV Connection	MC4/H4		
Battery Connection	Dedicated DC connector		
AC Connection	Dedicated AC connector		
Display	LED+APP		
Communication	RS485/CAN (for BMS), RS485, USB, DRM/RS485 (for Meter), Optional: Wi-Fi/GPRS/LAN		
Certification & Standard	VDE-AR-N4105, IEC 61727/62116, AS 4777.2, EN 50549-1, C10/11, G99/G100, CEI 0-21, NRS 097-2-1, RD 1699/661/413 IEC 62109-1&2, IEC 62477-1		
Warranty	5 Years/10 Years (Optional)		