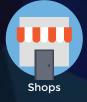


ritSOL M+: SOLAR HYBRID INVERTER

With Advanced MPPT Technology



TECHNICAL SPECIFICATIONS					
Description	1KW	2KW	3KW	6KW	10KW
Inverter Rating	1KW	2KW	3KW	7KW	10KW
Maximum PV Rating	1.5KW	ЗКW	3.6KW	8KW	12KW
PV Vmp	60-90 V	60-90 V	150-200V	150-200V	180V-240
PV Voc	80-120V	90-120V	180-250V	200V-250V	200V-300V
MPPT Efficiency	98%				
Mains Input	170V to 270V AC Input				
Input PF	0.8				
Inverter Output	230 VAC +/- 1% 1Ph 50Hz				
Isolation Transformer	Provided inbuilt				
Output Waveform	Sinusoidal				
Output THD	< 3% on linear load & < 5% on non-linear load				
Overload	< 3% on linear load & < 5% on non-linear load 110% for 10 minutes, 125% for 1 minutes, 150% for 1 sec				
Inverter Efficiency	110% for 10 minutes, 125% for 1 minutes, 150% for 1 sec > 85%				
inverter Emclericy	∠ 0370				
Protections	Input & Output Over / Under Voltage, DC - High / Under Voltage, Battery Charging, Over Current,Output Overload / Short Circuit / Over Temp.				
Audio Alarm	Mains Fail, Battery Low Pre-alarm, Inverter Trip				
Nominal VDC	48V	48V	96V	96V	120V
Float Voltage from PV (14V/Battery)	56V	56V	112V	112V	140V
Float Voltage from Mains (13.5V/Battery)	54V	54V	108V	108V	135V -
Battery low alarm (10.5V/Battery)	42V	42V	84V	147V	105V
Battery low trip (10.2V/Battery)	42V	42V	84V	147V	105V
Boost Voltage (14.5V/Battery)	58V	58V	116V	203V	145V
Metering	Input & output Voltage, Current & Frequency, Battery Voltage, Charging & Discharging Current, PV Panel voltage, Total Power Generated From Solar Panel, Operating Mode				
Messages / Indications	Input - On / High / Low / Fail / Single phasing, Boost Charging, Battery - On / Float / Discharging / Low Trip, DC High, UPS - ON / OFF, Load on – UPS & Input, Output - Low / High / Overload / Fail / Short Circuit & Over Temp., Inverter On / Trip, PV Panel ON, PV Panel Reverse				
Switchgear	MCB for Input, Battery, Output & Solar				
Termination	Input, Battery, Output & Solar				
Enclosure	IP 20				
Operating Temp.	0 to 40 Deg C				
Humidity	Up to 95% Rh (non-condensing)				
Cooling	Forced Air				
Noise	< 55 dB < 65 dB				
Cold Start	Provided				
Communication	RS 232				
Monitoring Software	UPS Monitoring Software on Windows XP Platform				
SCR Static Switch	Provided with changeover < 5 sec				
Wheels	Provided				











Residences