

## RTS- PV-All In One

*From 1Kw To 6KW*



### Features :

MPPT Based Solar Charge Controller 40A~ 60A

Intelligent Charging Sharing between Solar power & Grid Power

Pure Sine Wave Output with Low THD

PWM Technology mains grid charger and Inverter with Bi-directional operation.

40% more power saving with MPPT compared with conventional charge controller

# Technical Specification

Model		RTS-1KW	RTS-2KW	RTS-3KW		RTS-5KW		RTS-6KW	
Default Battery System Voltage		24V				48V			
Inverter Output	Rated Power	1000W	1500W	2000W	3000W	4000W	5000W	6000W	
	Surge Handling (20ms)	3000VA	4500VA	6000VA	9000VA	12000VA	15000VA	18000VA	
	Capable of starting Electric Motor	1 HP		2 HP		3 HP			
	Wave form	Pure Sine Wave / same as input (bypass mode)							
	Nominal Output Voltage (RMS)	220V/230V/240VAC							
	Output Voltage Regulation	± 10% RMS							
	Output Frequency	50Hz ± 0.3Hz							
	Inverter Efficiency (peak)	>88%							
	Line Mode Efficiency	>95%							
	Power Factor	1							
	Typical Transfer Time	10 ms (max)							
AC Input	Voltage	230VAC							
	Selectable Voltage Range	115 ~ 280VAC							
	Frequency Range	40~60 Hz							
Battery	Minimum Start Voltage	10VDC/ 10.5VDC							
	Low Battery Alarm*	10.5VDC ± 0.3V							
	Low Battery Cut Off*	10.0VDC ± 0.3V							
	High Voltage Alarm*	16.0VDC ± 0.3V							
	High Battery Voltage recovery*	15.5VDC ± 0.3V							
	Ideal Consumption- search Mode	<25W when power saver on							
Charger	Charging Algorithm	Three Stage (Bulk, Boost, Float)							
	Output Voltage	Depends on battery type							
	Charger AC Input Breaker rating	30A				40A			
	Over Charge protection S.D.*	15.7VDC							
	Maximum Charging Current	20A	25A	35A	45A	35A	40A	50A	
Bypass & Protection	Input Voltage Wave form	Sine Wave (grid or generator)							
	Nominal Input Frequency	50Hz							
	Overload Protection (SMPS Load)	Circuit Breaker							
	Output Short Circuit Protection	Circuit Breaker							
	Bypass Breaker Rating	30A				40A			
Mechanical Specifications	Mounting	Wall Mount							
	Dimensions (W*H*D) (in mm)	423*224*180				597*224*181			
	Net Weight (in Kg)	18	15.5	19.1	23.7	34.8	44	44	
Others	Operating Temperature	0° C ~ +45° C							
	Storage Temperature	-25° C ~ +60° C							
	Audible Noise	60dB Max							
	Display	LED + LCD							

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