

Electrical Specifications											
	Model	1.0KW	1.5KW	2.0KW	3.0KW	4.0KW	5.0KW	6.0KW	8.0KW	10.0KW	12.0KW
Inverter Output	Continuous Output Power	1.0KW	1.5KW	2.0KW	3.0KW	4.0KW	5.0KW	6.0KW	8.0KW	10.0KW	12.0KW
	Surge Rating(20Secs)	3.0KW	4.5KW	6.0KW	9.0KW	12.0KW	15.0KW	18.0KW	24.0KW	30.0KW	36.0KW
	Capable of starting Electric Motor	1HP	1.5HP	2HP	3HP	4HP	5HP	6HP	8HP	10HP	12HP
	Output Waveform	Pure Sine wave/Same as input(Bypass Mode)									
	Nominal Efficiency	>88%(Peak)									
	Line Mode Efficiency	>95%									
	Power Factor	0.9-1.0									
	Nominal Output Voltage rms	100-110-120Vac / 220-230-240Vac									
	Output Voltage Regulation	±10% RMS									
	Output Frequency	50Hz ± 0.3Hz/60Hz ± 0.3Hz									
	Short Circuit Protection	Yes(1sec after fault)									
	Typical transfer Time	10ms(Max)									
	THD	< 10%									
DC Input	Nominal Input Voltage	12.0Vdc / 24.0Vdc / 48.0Vdc					24.0Vdc / 48.0Vdc		48.0Vdc		
	Minimum Start Voltage	10.0Vdc / 10.5Vdc for 12Vdc Mode					*2 for 24Vdc, *4 for 48Vdc;				
	Low Battery Alarm	10.5Vdc / 11.0Vdc for 12Vdc Mode									
	Low Battery Trip	10.0Vdc / 10.5Vdc for 12Vdc Mode									
	High Voltage Alarm	16.0Vdc for 12Vdc Mode									
	Low Battery voltage recover	15.5Vdc for 12Vdc Mode									
	Idle Consumption-Search Mode	< 25 W when Power Saver On.(Refer to Table)									
Charger	Output Voltage	Depends on battery type (Refer to Table 2.5.2)									
	Charger Breaker Rating	20A	20A	20A	25A	32A	40A	40A	50A	80A	80A
	Max Charge Power Rate	1/3 Rating Power (Refer to Table 2.5.3)									
	Battery Initial Voltage for Start	10-15.7Vdc for 12Vdc Mode					*2 for 24Vdc, *4 for 48Vdc;				
	Over Charge Protection S.D.	15.7Vdc for 12Vdc Mode									
BTS	Battery Temperature Sensor (Optional)	Yes(Refer to the table) Variances in Charging Voltage & S.D Voltage Base on the Battery Temperature.									
Bypass &	Input Voltage Waveform	Sine wave (Grid or Generator)									
Protection	Nominal Voltage	100-110-120Vac / 220-230-240Vac									
	Max Input AC Voltage	150VAC For 120Vac LV Mode; 300VAC For 230Vac HV Mode;									
	Nominal Input Frequency	50Hz or 60Hz									
	Low Freq Trip	47±0.3Hz for 50Hz, 57±0.3Hz for 60Hz									
	High Freq Trip	55±0.3Hz for 50Hz, 65±0.3Hz for 60Hz									
	Overload protection(SMPS load)	Circuit Breaker									
	Output Short circuit protection	Circuit Breaker									
	Bypass breaker rating	20A	20A	20A	25A	32A	40A	40A	50A	80A	80A
	Transfer switch rating	30Amp for UL & TUV					40Amp for UL			80Amp for UL	
	Bypass without battery connected	Yes (Optional)									
	Max bypass current	30Amp					40Amp			80Amp	
	Solar Charger (Optional)	Rated Voltage	12Vdc / 24Vdc / 48Vdc								
Solar Input Voltage Range		15-45Vdc / 30-70Vdc / 60-100Vdc									
Rated Charge Current		40 OR 60A									
Rated Output Current		15A									
Self Consumption		< 10mA									
Bulk Charge(Default)		14.5Vdc for 12Vdc Mode					(*2 for 24Vdc, *4 for 48Vdc)				
Floating Charge(Default)		13.5Vdc for 12Vdc Mode									
Equalization Charge(Default)		14.0Vdc for 12Vdc Mode									
Over Charge Disconnection		14.8Vdc for 12Vdc Mode									
Over Charge Recovery		13.6Vdc for 12Vdc Mode									
Over Discharge Disconnection		10.8Vdc for 12Vdc Mode									
Over Discharge Reconnection		12.3Vdc for 12Vdc Mode									
Temperature Compensation		—13.2mV/°C for 12Vdc Mode									
Ambient Temperature	0 ~ 40°C(Full load) 40 ~ 60°C(Derating)										
Mechanical Specifications	Mounting	Wall Mount									
	Inverter Dimensions(L*W*H)	388*415*200mm					488*415*200mm			588*415*200mm	
	Inverter Weight(Solar Chg)KG	21+2.5	22+2.5	23+2.5	27+2.5	38+2.5	48+2.5	49+2.5	60+2.5	66+2.5	70+2.5
	Shipping Dimensions(L*W*H)	550*520*310mm					650*520*310mm			750*520*310mm	
	Shipping Weight(Solar Chg)KG	23+2.5	24+2.5	25+2.5	29+2.5	40+2.5	50+2.5	51+2.5	62+2.5	68+2.5	72+2.5
	Display	Status LEDs / Status LEDs+LCD									
	Standard Warranty	1 Years									