

# HP-PV PURE SINE WAVE INVERTER/SOLAR CHARGER

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(20ms)	3.0KW	4.5KW	6.0KW	9.0KW	12.0KW	15.0KW	18.0KW	24.0KW	30.0KW	36.0KW
	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	< 3%									
DC Input	Nominal Input Voltage	12.0Vdc ( *2 for 24Vdc, *4 for 48Vdc)									
	Minimum Start Voltage	10.0Vdc									
	Low Battery Alarm	10.5Vdc / 11.0Vdc									
	Low Battery Trip	10.0Vdc / 10.5Vdc									
	High Voltage Alarm	16.0Vdc									
	Low Battery voltage recover	15.5Vdc									
	Idle Consumption-Search Mode	< 25 W when Power Saver On									
Charger	Output Voltage	Depends on battery type									

	Charger Breaker Rating	10A	15A	20A	20A	20A	30A	30A	40A	40A	40A	
	Max Charge Power Rate	1/3 Rating Power										
	Battery Initial Voltage for Start Up	10-15.7V for 12V( *2 for 24V, *4 for 48V)										
	Over Charge Protection Shutdown	15.7V for 12V (*2 for 24V, *4 for 48V)										
	Remote Control	Yes (Optional)										
Bypass & Protection	Input Voltage Waveform	Sine wave (Grid or Generator)										
	Nominal Voltage	110Vac	120Vac	220Vac	230Vac	230Vac						
	Max Input AC Voltage	150VAC For 120Vac LV Mode; 300VAC For 230Vac HV Mode;										
	Nominal Input Frequency	50Hz or 60Hz (Auto detect)										
	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	10A	15A	20A	30A	40A	40A	40A	50A	63A	63A	
	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	Rated Voltage	12Vdc / 24Vdc / 48Vdc										
	Solar Input Voltage Range	15-30Vdc / 30-55Vdc / 55-100Vdc										
	Rated Charge Current	40 ~ 60A										
	Rated Output Current	15A										
	Self Consumption	< 10mA										
	Bulk Charge	14.5V(default)					(*2 for 24Vdc, *4 for 48Vdc)					
	Floating Charge	13.5V(default)										

	Equalization Charge	14.0V(default)										
	Over Charge Disconnection	14.8V										
	Over Charge Recovery	13.6V										
	Over Discharge Disconnection	10.8 V(default)										
	Over Discharge Reconnection	12.3V										
	Temperature Compensation	-13.2mV/°C										
	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 Year (Optional)										

**Note: Specifications subject to change without notice.**