



## PV3000 MPK Series (1KW-6KW)

### Features

- LCD display ,easy to read how inverter operates on LCD screen
- Compatible to generator
- 5-levels DIP switch ,offering customized performance
- 9-levels battery selector ,Enable to charge Gel ,lead-acid battery
- DC(Solar)/AC priority optional
- 4 levels charge current adjustable
- With RS232 communication port
- With BTS & GTS , optimizing battery performance & start generator automatically
- Power saver Switch , Enable to minimize standby consumption

### Selection Guide

MODEL		PV30-1KW MPK		PV30-1.5KW MPK		PV30-2KW MPK		PV30-3KW MPK		PV30-4KW MPK		PV30-5KW MPK		PV30-6KW MPK	
Nominal Battery System Voltage		12VDC /24VDC		12VDC /24VDC		12VDC /24VDC		12VDC /24VDC		24/48 VDC		24/48 VDC		24/48 VDC	
INVERTER OUTPUT	Rated Power	1KW		1.5KW		2KW		3KW		4KW		5KW		6KW	
	Surge Rating (20ms)	3KW		4.5KW		6KW		9KW		12KW		15KW		18KW	
	Capable Of Staring Electric Motor	1HP		1HP		1HP		2HP		2HP		3HP		3HP	
	Waveform	Pure sine wave / same as input (bypass mode)													
	Nominal Output Voltage RMS	100V / 110V / 120V / 220V / 230V / 240VAC (±10% RMS)								100V/110V/120V / 220V/230V/240V		220V / 230V /240VAC			
	Output Frequency	50Hz/60Hz ±0.3Hz													
	Inverter Efficiency (Peak)	>88%													
	Line Mode Efficiency	>95%													
Power Factor	1.0														
Typical Transfer Time	10(max)														
AC INPUT	Voltage	230VAC													
	Selectable Voltage Range	96~132VAC / 155~280VAC (For personal computer)													
BATTERY	Frequency Range	50Hz/60Hz (Auto sensing) 40-80Hz													
	Minimum Start Voltage	10.0VDC/10.5VDC for 12VDC mode (*2 for 24VDC)								20.0VDC~21.0VDC / 40.0VDC~42.0VDC					
	Low Battery Alarm	10.5VDC±0.3V for 12VDC mode (*2 for 24VDC)								21.0 VDC±0.6V / 42.0VDC±1.2V					
	Low Battery Cutoff	10.0VDC/±0.3V for 12VDC mode (*2 for 24VDC)								20.0 VDC±0.6V / 40.0VDC±1.2V					
	High Voltage Alarm	16.0VDC/±0.3V for 12VDC mode (*2 for 24VDC)								32.0 VDC±0.6V / 64.0VDC±1.2V					
	High Battery Voltage Recover	15.5VDC/±0.3V for 12VDC mode (*2 for 24VDC)								31.0 VDC±0.6V / 62.0VDC±1.2V					
	Idle Consumption Search Mode	<25W when power saver on								<50W when power saver on					
AC CHARGER	Output Voltage	Depends on battery type													
	Charger AC Input Breaker Rating	10A		30A		30A		30A		40A					
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC)								31.4VDC/62.8VDC					
	Maximum Charge Current	35A	20A	45A	25A	65A	35A	75A	45A	65A	35A	70A	40A	75A	50A
BYPASS & PROTECTION	Input Voltage Waveform	Sine wave (grid or generator)													
	Nominal Input Frequency	50Hz or 60Hz													
	Overload Protection (SMPS Load)	Circuit breaker													
	Output Short Circuit Protection	Circuit breaker													
	Bypass Breaker Rating	10A		15A		30A		30A		40A					
	Max Bypass Current	30Amp								40Amp					
SOLAR CHARGER	Maximum PV Array Power	1200W	2400W	1200W	2400W	1200W	2400W	1200W	2400W	2400W	4800W	2400W	4800W	2400W	4800W
	Maximum PV Charge Current	80A													
	DC Voltage	12V/24V auto work								24V/48V auto work					
	MPPT Range @ Operating Voltage	16~100VDC @ 12V/32~145VDC @ 24V								32~145VDC @ 24V/64~145VDC @ 48V					
	Maximum PV Array Open Circuit Voltage	100VDC/145VDC													
	Maximum Efficiency	>90%													
	Standby Power Consumption	<2W													
MECHANICAL SPECIFICATIONS	Dimensions (W*H*D)	423*247*197												597*247*197	
	Net Weight (Solar CHG) (kg)	18.5	18.4	19.5	19.4	23.5	32.2	28.7	27	41.3	39.4	50.4	48.8	51.8	53.1
	Shipping Dimensions (W*H*D)	570*355*300mm												597*247*197mm	
	Shipping Weight (Solar CHG) (kg)	21.5	21.4	22.4	22.5	25.8	25.6	31.2	29.6	44.7	42.8	54	52.4	55.7	53.1
OTHER	Operation Temperature Range	0 °C to 40°C													
	Storage Temperature Range	-15°C to 60°C													
	Audible Noise	60dB MAX													
	Loading (20GP/40GP/40HQ)	460pcs / 920pcs / 1060pcs								320pcs / 640pcs /750pcs					