



PV3000 MPK Series (1KW-6KW)

Features

- Pure Sine Wave Output
- Built-in MPPT solar charge controller 80A
- Support Remote Control Box(optional)
- 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 & AGS , 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		24VDC / 48VDC		24VDC /48VDC		24VDC /48VDC			
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	110V / 120V / 220V / 230V / 240VAC (±10% RMS)								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)															
	Frequency Range	50Hz/60Hz (Auto sensing) 40-80Hz															
BATTERY	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															
SOLAR CHARGER	Maximum PV Array Power	1250W	2500W	1250W	2500W	1250W	2500W	1250W	2500W	2500W	5000W	2500W	5000W	2500W	5000W		
	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	145VDC															
	Maximum Efficiency	>90%								>98%							
MECHANICAL SPECIFICATIONS	Standby Power Consumption	<2W															
	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					
OTHER	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		
	Operation Temoerature 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								