



PV3000 LMPK Series (1KW-4KW)

Features

- Pure sine wave output
- Powerful charge rate up to 70Amp
- Built-in MPPT solar charge controller 80A
- MPPT efficiency max 98%
- Built-in pure copper UI transformer
- DIP Switch offer customized performance
- High Efficiency Design & "Power Saving Mode" to Conserve Energy
- Supporting RS232 communication, AGS, BTS port
- Remote control panel (optional)
- Compatible to generator

Selection Guide

MODEL		PV30-1012 LMPK	PV30-1024 LMPK	PV30-1512 LMPK	PV30-1524 LMPK	PV30-2012 LMPK	PV30-2024 LMPK	PV30-3012 LMPK	PV30-3024 LMPK	PV30-3048 LMPK	PV30-4024 LMPK	PV30-4048 LMPK	
Nominal Battery System Voltage		12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	12VDC	24VDC	48VDC	24VDC	48VDC	
INVERTER OUTPUT	Rated Power	1KW		1.5KW		2KW		3KW		4KW			
	Surge Rating (20ms)	3KW		4.5KW		6KW		9KW		12KW			
	Capable Of Starting Electric Motor	1HP				2HP							
	Waveform	Pure sine wave/ same as input (bypass mode)											
	Nominal Output Voltage RMS	110V/120V											
	Output Frequency	50Hz/60Hz +/-0.3 Hz											
	Inverter Efficiency(Peak)	>88%											
	Line Mode Efficiency	>95%											
AC INPUT	Power Factor	1.0											
	Typical Transfer Time	10ms(max)											
	Voltage	120VAC											
	Selectable Voltage Range	80~135VAC(For Personal Computers)											
BATTERY	Frequency Range	50Hz/60Hz (Auto sensing) 40-80Hz											
	Minimum Start Voltage	10.0VDC /10.5VDC for12VDC mode (*2 for 24VDC,)									20.0VDC~21.0VDC /40.0VDC~42.0VDC		
	Low Battery Alarm	10.5VDC+/-0.3V for12VDC mode (*2 for 24VDC,)									21.0VDC+/-0.6V /42.0VDC+/-1.2V		
	Low Battery Cutoff	10.0VDC+/-0.3V for12VDC mode (*2 for 24VDC,)									20.0VDC+/-0.6V /40.0VDC+/-1.2V		
	High Voltage Alarm	16.0VDC+/-0.3V for12VDC mode (*2 for 24VDC,)									32.0VDC+/-0.6V /64.0VDC+/-1.2V		
	High Battery Voltage Recover	15.5VDC+/-0.3V for12VDC mode (*2 for 24VDC,)									31.0VDC+/-0.6V / 62.0VDC+/-1.2V		
AC CHARGER	Idle Consumption-Search Mode	<25W when power saver on									<50W when power saver on		
	Output Voltage	Depends on battery type											
	Charger AC Input Breaker Rating	10A			30A			40A					
	Overcharge Protection S.D.	15.7VDC for 12VDC mode (*2 for 24VDC,)											
	Maximum Charge Current	35A	20A	45A	25A	65A	35A	75A	45A	30A	65A	35A	35A
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			30A			40A					
SOLAR CHARGER	Max Bypass Current	30Amp						40Amp					
	Maximum PV Array Power	1250W	2500W	1250W	2500W	1250W	2500W	1250W	2500W	5000W	2500W	5000W	
	Maximum PV Charge Current	80A											
	DC Voltage	12V/24V atuo work									24V/48V atuo 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									145VDC		
	Maximum Efficiency	>98%											
	Standby Power Consumption	<2W											
MECHANICAL SPECIFICATIONS	Mounting	Wall mount											
	Dimensions (W*H*D)	423*247*197mm									597x247x197mm		
	Net Weight (Solar CHG) kg	18.5	18.4	19.5	19.4	23.5	32.2	28.7	27	23.3	41.3	39.4	
	Shipping Dimensions(W*H*D)	570*355*300mm									743*372*312mm		
	Shipping Weight (Solar CHG) kg	21.5	21.4	22.4	22.5	25.8	25.6	31.2	29.6	25.1	44.7	42.8	
OTHER	Operation Temperature Range	0°C to 40°C											
	Storage Temperature	-15°C to 60°C											
	Audible Noise	60dB MAX											
	Display	LED+LCD											
	Standard Warranty	1 year											