

MUST®
Solar Power System

MAIN PARAMETER

MODEL	PV19-2012 EXP	PV19-3824 EXP	PV19-4224 EXP
INVERTER OUTPUT			
Nominal Battery System Voltage	12VDC	24VDC	24VDC
Rated Output Power(Battery Mode)	1600W	3200W	3800W
Rated Output Power (PV Input> 1000W)	2000W	3800W	4200W
Waveform	Pure sine wave		
AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)		
Inverter Efficiency(Peak)	92%		
Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)		
Overload Protection	60s@105%~110% Load; 10s@110%~130% Load; 3s@130%~150% Load; <1s>150% Load		
AC INPUT			
Voltage	230VAC±5%		
Selectable Voltage Range	170~280VAC(UPS) / 90~280VAC(APL) / 184~253VAC(VED4105)		
Frequency Range	50Hz / 60Hz(Auto sensing)		
BATTERY			
Normal Voltage	12VDC	24VDC	24VDC
Floating Charge Voltage	13.7VDC	27.4VDC	27.4VDC
Overcharge Protection	15VDC	30VDC	30VDC
SOLAR CHARGER & AC CHARGER			
Solar Charging Rated Power	3000W	5000W	5500W
Maxium PV Input Voltage (Voc)	450VDC max		
MPPT Voltage Range(Typ.)	60~400VDC		
Maxium PV Input Current	18A	18A	18A
Maximum Solar Charge Current	100A	120A	120A
Maximum AC Charge Current	100A	100A	120A
Maximum Charge Current	100A	120A	120A

OTHER PARAMETER

MODEL	PV19-2012 EXP	PV19-3824 EXP	PV19-4224 EXP
PROTECTION			
Integrated	Overload/ Over temperature/ Short circuit/ High & Low voltage protection		
GENERAL DATA			
Operating Temperature Range	-10°C~+50°C		
Storage temperature	-15°C~+60°C		
Protection Degree	IP20		
Noise@1m,10dB base.	≤50dB		
Communication	WiFi/ Bluetooth/ RS-485/ CAN		
Anti-dust Kit	Yes		
Installation Style	Wall-mounted		
MECHANICAL SPECIFICATIONS			
Machine Dimension (W*H*D)(mm)	318*424.2*120		
Package Dimension (W*H*D)(mm)	/		
N.W(kg)	6.8	6.8	7.1
G.W(kg)	/		
Warranty	2 year		

*Variations in dimensions and weights may occur due to production batches.

CERTIFICATION & STANDARDS

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*The technical specifications of this document are subject to change without any notice