



The diagram illustrates the front and rear panels of a solar inverter. The front panel features a circular LCD display (1) showing various status indicators (2), including a charging indicator (3), a fault indicator (4), and function buttons (5) such as MENU, UP, DOWN, and ENTER. The rear panel includes an AC input (6), AC output (7), a fan (8), a PV input (9), a power on/off switch (10), a battery input (11), a circuit breaker (12), a dry contact (13), a USB port (14), an RS-485 communication port (15), and a USB WiFi port (16).

1. LCD Display
2. Status Indicator
3. Charging Indicator
4. Fault Indicator
5. Function Buttons
6. AC Input
7. AC Output
8. FAN
9. PV Input
10. Power On/Off Switch
11. Battery Input
12. Circuit breaker
13. Dry Contact
14. USB
15. RS-485 Communication port
16. USB WiFi

MODEL		PV18-3024 PRO	PV18-5248 PRO
Nominal Battery System Voltage		24VDC	48VDC
INVERTER OUTPUT	Rated Power	3000VA / 3000W	5200VA / 5200W
	Surge Power	6000W	10400W
	Waveform	Pure sine wave	
	AC Voltage Regulation (Batt.Mode)	230VAC±5%(Setting)	
	Inverter Efficiency(Peak)	93%	
	Transfer Time	10ms (UPS / VDE4105) / 20ms (APL)	
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	24VDC	48VDC
	Floating Charge Voltage	27.4VDC	54.8VDC
	Overcharge Protection	30VDC	60VDC
SOLAR CHARGER & AC CHARGER	Maximum PV Array Open Circuit Voltage	450VDC	
	Maximum PV current	18A	
	PV Array MPPT Voltage Range	150~430 VDC	
	Maximum Solar Charge Current	80Amp	
	Maximum AC Charge Current	60Amp	
	Maximum Charge Current	80Amp	
MECHANICAL SPECIFICATIONS	Machine Dimensions (W*H*D)(mm)	272*355*100	295*528*121
	Package Dimensions (W*H*D)(mm)	540*395*241	628*425*251
	Net Weight(kg)	11	14
	Gross Weight(kg)	12	15
OTHER	Humidity	5% to 95% Relative humidity (Non-condensing)	
	Operating Temperature	0℃~50℃	
	Storage Temperature	-15℃ ~60℃	