

	Steca PLI 5000-48 Rev 2	Victron EasySolar-II 5KVA MPPT 50/100 GX
Performance		
System voltage	48 V	48 V
Continuous power	5000 VA – 4800 W	5000 VA – 4000 W
Power 5 sec.	10000 VA – 9600 W	11250 VA – 9000 W
Max. efficiency sine wave	> 93 %	96 %
Max. efficiency charge controller	> 98 %	99 %
Own consumption standby	15.0 W	18.0 W
Own consumption ON	50.0 W	47.0 W
Parallel & 3 Phase Operation	Yes (Parallel Kit Required)	Yes
AC Input		
Input Voltage Range	90 V AC - 280 V AC	187 V AC - 265 V AC
Max Current on Transfer System	40 A	50 A
Input Frequency	40 - 65 Hz	40 - 65 Hz
Transfer Time	10 ms (UPS mode), 20 ms (Appliance Mode)	< 20 ms
Battery Side		
Battery voltage	38.4 V - 66 V	38. V - 66 V
Max. charge current of PV	80 A	100 A
Max. charge current of AC	60 A (programmable)	70 A (programmable)
End of charge voltage	54.0 V (programmable)	55.2V (programmable)
Boost charge voltage	56.4 V (programmable)	57.6V (programmable)
Equalisation charge	60.0 V (programmable)	(programmable)
Set battery type	gel/ liquid lead (programmable) LiFePO4 (No Can Communication)	All Chemistries – Pre-sets and User Defined
MPPT		
Min. MPP voltage	60 V	5.0 V Higher than Battery Voltage
Max. open circuit voltage solar module	145 V	250
Max. module current	80 A	100 A
Nominal charge power	4800 W	5800 W
Own consumption	< 2 W	< 2 W
Operating Conditions		
Operating temperature	0 °C ... + 55 °C	-40 °C ... + 55 °C
Rel. humidity	< 90 %, non-condensing	Max 95%, non-condensing
Maximum altitude	2000 M Above Sea level	2000 M Above Sea level
Fitting and construction		
Terminal (AC)	8 mm ² - AWG 8	
Terminal (PV)	12 mm ² - AWG 6	M6 Bolts
Battery connection (M6 ring terminal included)	35 mm ² ... 50 mm ² AWG 2 ... AWG 0	M8 Bolts
Double throw signal contact	3 A / 250 V AC (max. 150 W) 3 A / 30 V DC	4 A / 230 V AC 4 A / 35 V DC 1A / 60 V DC
Degree of protection	IP 21	IP 21
Dimensions (X x Y x Z)	298 x 469 x 130 mm	323 x 604x 253 mm
Weight	11.5 kg	38.6 kg
Cooling principle	Fan	Fan
General		
Interfaces	RS-232 (No Can Comms)	Venus Device - BMS-Can, USB, Ethernet, VE.Direct, WiFi
Generator auto Start	Yes	Yes
Power Assist	No	Yes
Interface Display	Graphical Display	2 Line 16 Character
LED – Operating Status	Yes	Yes
Approvals		
CEC	Stand Alone Inverter with Generator Input Battery Only	No