## EVVO 50000 / 60000 / 70000

## Three Phase Inverter Tri MPPT

Max DC power for single MPPT   22000W(500V-800V)   22000W(530V-800V)   Number of Independent MPPT   3   4/4,	77000W 26000W(660V-800 /4 700V 660V-800V 40A/40A/40A	
Max. Input power         60000W         72000W           Max DC power for single MPPT         22000W(500V-800V)         22000W(530V-800V)           Number of Independent MPPT         3         4/4,           Number of DC inputs         4/3/3         4/4,           Max. input voltage         1000V         530V           Start-up input voltage         600V         600V           Start-up input voltage         600V         500V           Rated input voltage range         500V-800V         530V-800V           Max. input MPPT current         40A/30A/30A         40A/40A/40A           Max. input current per string         12A           Output(AC)           Rated power(@230V,50Hz)         50000W         60000W           Max. AC power         50000W         60000VA           Max. AC power         50000W         60000VA           Max. AC power         50000WA         60000VA           Max. AC power         50000WA         60000VA           Max. AC power         80A         90A           Nominal Grid Voltage         3/N/PE,3/PE,230/400Vac           Grid Voltage Range         180Vac-270Vac         180Vac-270Vac           Nominal Frequency         50/60Hz         47%	26000W(660V-800 /4 700V 660V-800V	
Max DC power for single MPPT         22000W(500V-800V)         22000W(530V-800V)           Number of Independent MPPT         3         4/4,           Max. input voltage         1000V         4/4,           Max. input voltage         600V         600V           Rated input voltage         600V         600V           MPPT voltage range         250V-960V           MBZ Voltage range         500V-800V         530V-800V           Max. input MPPT current         40A/30A/30A         40A/40A/40A           Max. input Lurrent per string         12A         000V           Output(AC)         50000W         60000W           Rated power(@230V,50Hz)         50000W         60000W           Max. Act power         50000W         60000W           Max. Act power         50000W         60000VA           Max. output current         80A         90A           Nominal Grid Voltage         3/N/PE.3/PE.230/400Vac           Grid Voltage Range         180Vac-270Vac         180Vac-270Vac           Nominal Frequency         50/50Hz           Grid Voltage Range         180Vac-270Vac         180Vac-270Vac           Nominal Frequency         47~53 /57~63Hz (According to local solal sola	26000W(660V-800 /4 700V 660V-800V	
Number of Independent MPPT         3         4/4/3         4/4/4           Max. Input voltage         1000V         550V         850V	700V 660V-800V	
Number of DC inputs         4/3/3         4/4,           Max. input voltage         1000V           Start-up input voltage         350V           Rated input voltage         600V         600V           MPPT voltage range         500V-800V         530V-800V           MBV voltage range         500V-800V         530V-800V           Max. input MPPT current         40A/30A/30A         40A/40A/40A           Max. input Current per string         12A           Output(AC)         812A         50000W         60000W           Max. AC power         50000VA         60000VA           Max. output current         80A         90A           Nominal Grid Voltage         3/N/PE,3/PE,230/400Vac         3/N/PE,3/PE,230/400Vac           Grid Voltage Range         180Vac-270Vac         180Vac-270Vac           Nominal Frequency         5060Hz         80A         90.A           Active power adjustable range         47~53 / 57~63Hz (According to local s         47~53 / 57~63Hz (According to local s           THDI         43%         47~53 / 57~63Hz (According to local s         48           Was efficiency         98.5%         98.6%           Performance         98.5%         98.6%           Max efficiency         98.5%	700V 660V-800V	
Max. input voltage         1000V           Start-up input voltage         350V           Rated input voltage         600V         600V           MPPT voltage range         250V-960V           Full load DC voltage range         500V-800V         530V-800V           Max. Input MPPT current         40A/30A/30A         40A/40A/40A           Max. input current per string         12A           Output(AC)           Rated power(@230V,50Hz)         50000W         60000W           Max. AC power         50000VA         60000VA           Max. Output current         80A         90A           Nominal Grid Voltage         3/N/PE,3/PE,230/400Vac         3/N/PE,3/PE,230/400Vac           Grid Voltage Range         180Vac-270Vac         180Vac-270Vac           Solf-Goltz         180Vac-270Vac         180Vac-270Vac           Grid frequency range         47~53 / 57~63Hz (According to local started to the sta	700V 660V-800V	
Start-up input voltage Rated input voltage 600V 600V MPPT voltage range 500V-800V 530V-800V Max. input MPPT current 40A/30A/30A 40A/40A/40A Max. input current per string 0utput(AC) Rated power(@230V,50Hz) Soutowak A Book South S	660V-800V	
Rated input voltage MPPT voltage range S00V-800V S30V-960V Max. Input MPPT current 40A/30A/30A 40A/40A/40A Max. input current per string 12A  Output(AC) Rated power(@230V,50Hz) Max. AC power S0000VA Max. Output current 80A S0A S0A Nominal Grid Voltage 3/N/PE,3/PE,230/400Vac Grid Voltage Range 180Vac-270Vac S0/60Hz Grid frequency range 47~53 / 57~63Hz (According to local s Active power adjustable range ThDi Power factor Performance  Max efficiency Self-consumption at night Self-consumption at night Self-consumption at night Certification Certification Certification Certification Power communication Power management unit According to certification and rec Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur Four Advalvade Four Advalvade Food Multi-fur Source Source Power Controller(opt Communication Power management unit According to certification and rec Standard Communication Mode  RS485, Wifi (optional), SD card, Multi-fur Four Source Advalvade Four Max efficiency Advalvade Four Source Power Controller(opt Communication Four Max efficient and rec Source Source Power Multi-fur Four Source Power Controller(opt Communication Four Power Management unit Four Source Power Multi-fur Four Source Power Power Power Power Power Power Multi-fur Four Source Power	660V-800V	
MPPT voltage range	660V-800V	
Full load DC voltage range  Max. input MPPT current  Max. input MPPT current  Output(AC)  Rated power(@230V,50Hz)  Max. AC power  Max. output current  80A  Nominal Grid Voltage  Grid Voltage  Soloov  Soloov  Soloov  Soloov  Mover adjustable range  Nominal Frequency  Grid frequency range  Active power adjustable range  ThDi  Power factor  Performance  Max efficiency  Self-consumption at night  Feed-in start power  Protection  DC reverse polarity protection  DC reverse polarity protection  Certification  Certification  Certification  Certification  Power management unit  According to certification and receptored. Solored, Multi-fur Power management unit  According to certification and receptored. Multi-fur Power Multi-fur Powe		
Max. input MPPT current  Max. input current per string  Output(AC)  Rated power(@230V,50Hz)  Max. AC power  Sou00V  Max. AC power  Sou00VA  Sou0VA  So		
Max. input current per string  Output(AC)  Rated power(@230V,50Hz)  Max. AC power  South S	407440744074	
Output(AC)       Rated power(@230V,50Hz)     50000W     60000W       Max. AC power     50000VA     60000VA       Max. output current     80A     90A       Nominal Grid Voltage     3/N/PE,3/PE,230/400Vac     3/N/PE,3/PE,230/400Vac       Grid Voltage Range     180Vac-270Vac     180Vac-270Vac       Nominal Frequency     50/60Hz       Grid frequency range     47~53 / 57~63Hz (According to local state)       Active power adjustable range     0*100%       THDi     33       Power factor     1(Adjustable +/-0.8)       Performance     98.5%     98.6%       European weighted efficiency     98.3%     98.4%       Self-consumption at night     <1W		
Rated power(@230V,50Hz)  Max. AC power  Max. Output current  80A  90A  Nominal Grid Voltage  3/N/PE,3/PE,230/400Vac  47~53 / 57~63Hz  47~53 / 57~		
Max. AC power  Max. output current  Mav. output current  Max. output current  Mav. output current  Mav. output current  Max. output current  Max. output current  Max. output current  Max. output current  Mav. output current  Max. output cur	70000111	
Max. output current  Nominal Grid Voltage  3/N/PE,3/PE,230/400Vac  3/N/PE,3/PE,230/400Vac  3/N/PE,3/PE,230/400Vac  3/N/PE,3/PE,230/400Vac  3/N/PE,3/PE,230/400Vac  180Vac-270Vac  180Vac-270Vac  50/60Hz  50/60Hz  50/60Hz  60/100%  100%  11Di  23%  Power factor  Performance  Max efficiency  98.5%  98.6%  European weighted efficiency  98.3%  98.4%  Self-consumption at night  21W  Feed-in start power  MPPT efficiency  99.9%  Protection  DC reverse polarity protection  DC reverse polarity protection  DC reverse polarity protection  Certification  Certification  Certification  Certification  Certification  Certification  Certification  Anti Islanding, RCMU, Ground fault m  DC switch   Deptional    Anti Islanding, RCMU, Ground fault m  Certification  Certification  Certification  Certification  Certification  Anti Reverse Power Controller (opt Communication)  Power management unit  According to certification and rec St485, Wifi (optional), SD card, Multi-fur	70000W	
Nominal Grid Voltage  Grid Voltage Range  Nominal Frequency  Grid Frequency  Grid frequency ange  Active power adjustable range  Max efficiency  European weighted efficiency  Self-consumption at night Freed-in start power  MPPT efficiency  DC reverse polarity protection  DC reverse polarity protection  DC reverse polarity protection  Certification  Certification  Certification  Certification  Communication  Power Communication  Power adjustable range  180Vac-270Vac  180Vac-270Vac 180Vac-270Vac  180Vac-270Vac 180Vac-270Vac 180Vac-270Vac  180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-20Ce 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-270Vac 180Vac-20Ce 1	70000VA	
Grid Voltage Range Nominal Frequency Grid frequency	90A	
Nominal Frequency Grid frequency range 47~53 / 57~63Hz (According to local station power adjustable range O~100% THDi	3/N/PE, 277/480Va OR 3/PE, 277/480V	
Active power adjustable range Active power adjustable range Active power factor Active power factor Active power factor  Performance Max efficiency European weighted efficiency Self-consumption at night Feed-in start power Active power Active power adjustable range  Max efficiency  Self-consumption at night Feed-in start power Active power power Active power Active power Active power Active power power Active power Active power power Active power power Active power power Active power Active power power power Active power Active power power Active power power Active power Active power Active power Active power power Active	245Vac-305Vac	
Active power adjustable range THDi  73% Power factor Performance  Max efficiency Performance Performance  Max efficiency Performance Performan		
THDI Power factor Power factor Performance Max efficiency Max effi	standard)	
Power factor  Performance  Max efficiency 98.5% 98.6% European weighted efficiency 98.3% 98.4%  Self-consumption at night < 1W Feed-in start power 45W MPPT efficiency >99.9%  Protection  DC reverse polarity protection Yes DC switch Yes Protection class / overvoltage category   1/III   Input/output SPD(II) Optional Safety protection Anti islanding, RCMU, Ground fault m Certification Certification   IEC 62116, IEC 61727, IEC 61683, IEC 60068(1, 2, 14 CE, CGC, ZVRT, AS4777, AS3100, VDE4105, C10-C11, G59 (m SPD MOV : Type III standard / Type III op ARPC Anti Reverse Power Controller (opt Communication Power management unit According to certification and rec Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur		
Performance  Max efficiency 98.5% 98.6% European weighted efficiency 98.3% 98.4%  Self-consumption at night < 1W Feed-in start power 45W MPPT efficiency >99.9%  Protection  DC reverse polarity protection Yes DC switch Yes Protection class / overvoltage category   I/III Input/output SPD(II) Optional Safety protection Anti islanding, RCMU, Ground fault m Certification Certification   IEC 62116, IEC 61727, IEC 61683, IEC 60068(1, 2, 14 CE, CGC, ZVRT, AS4777, AS3100, VDE4105, C10-C11, G59 (m SPD MOV : Type III standard / Type III op ARPC Anti Reverse Power Controller (opt Communication Power management unit According to certification and rec Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur		
Max efficiency 98.5% 98.6% European weighted efficiency 98.3% 98.4%  Self-consumption at night < 1W Feed-in start power 45W MPPT efficiency >99.9%  Protection DC reverse polarity protection Yes DC switch Yes Protection class / overvoltage category   1/III Input/output SPD(II) Optional Safety protection Anti islanding, RCMU, Ground fault m Certification   IEC 62116, IEC 61727, IEC 61683, IEC 60068(1, 2, 14 CE, CGC, ZVRT, AS4777, AS3100, VDE4105, C10-C11, G59 (m SPD MOV : Type III standard / Type III op ARPC Anti Reverse Power Controller (opt Communication Power management unit According to certification and rec Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur		
European weighted efficiency  Self-consumption at night  Feed-in start power  MPPT efficiency  Protection  DC reverse polarity protection  DC switch  Protection class / overvoltage category  Input/output SPD(II)  Safety protection  Certification  Certification  SPD  MOV: Type III standard / Type III op Anti Reverse Power Controller (opt Communication  Power management unit  Standard Communication Mode  Power management unit  Standard Communication Mode  Power management Mode  ASW  98.3%  98.4%  98.4%  98.3%  98.4%  98.3%  98.4%  45W  ASW  SPM  ASW  PSM  ASW  PSM  ASW  SPM  Application  Power management unit  According to certification and reconstruction  RS485, Wifi (optional), SD card, Multi-fur		
Self-consumption at night Feed-in start power 45W MPPT efficiency Protection  DC reverse polarity protection DC switch Protection class / overvoltage category I/III Input/output SPD(II) Safety protection Certification Certification Certification SPD ARPC Anti Reverse Power Controller (opt Communication Power management unit Standard Communication Mode  45W 45W 45W 45W 45W 45W 45W 45W 45W 45	98.6%	
Self-consumption at night Feed-in start power  MPPT efficiency  Protection  DC reverse polarity protection  DC switch Protection class / overvoltage category I/III Input/output SPD(II) Safety protection  Certification  Certification  SPD  MOV: Type III standard / Type III op Anti Reverse Power Controller (opt Communication  Power management unit  Standard Communication Mode  At the SW ASS	98.4%	
MPPT efficiency >99.9%  Protection  DC reverse polarity protection Yes  DC switch Yes  Protection class / overvoltage category   I/III  Input/output SPD(II) Optional  Safety protection Anti islanding, RCMU, Ground fault m  Certification IEC 62116, IEC 61727, IEC 61683, IEC 60068(1, 2, 14 CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  SPD MOV: Type III standard / Type III optional  Anti Reverse Power Controller (optional)  Communication  Power management unit According to certification and reconstruction of the communication of		
Protection  DC reverse polarity protection  DC switch  Protection class / overvoltage category  Input/output SPD(II)  Safety protection  Certification  Certification  SPD  ARPC  ARPC  Communication  Power management unit  Standard Communication Mode  Protection  Yes  1/III  Optional  Anti islanding, RCMU, Ground fault m  IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14)  CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  MOV: Type III standard / Type III op  Anti Reverse Power Controller(opt  Communication  Prover management unit  According to certification and reconstruction  RS485, Wifi (optional), SD card, Multi-fur		
DC reverse polarity protection  DC switch  Protection class / overvoltage category  Input/output SPD(II)  Safety protection  Certification  Certification  SPD  ARPC  AND SPD  ARPC  Communication  Communication  Power management unit  Standard Communication Mode  Yes  Yes  1/III  Optional  Anti islanding, RCMU, Ground fault m  IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14)  CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  ANDV: Type III standard / Type II op  Anti Reverse Power Controller (opt  Communication  RS485, Wifi (optional), SD card, Multi-fur		
DC reverse polarity protection  DC switch  Protection class / overvoltage category  Input/output SPD(II)  Safety protection  Certification  Certification  SPD  AND : Type III standard / Type III optomative Power Controller (optomanication)  Communication  Power management unit  Standard Communication Mode  Yes  Yes  1/III  Optional  Anti islanding, RCMU, Ground fault m  IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14)  CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  MOV : Type III standard / Type III optional)  Anti Reverse Power Controller (optional)  According to certification and reconstruction of the controller option of the controlle		
DC switch Protection class / overvoltage category I/III Input/output SPD(II) Safety protection Certification Certification SPD ARPC Anti Reverse Power Controller (opt Communication Power management unit Standard Communication Mode  Protection SPD ARCO According to certification and reconstructions are standard Communication Mode  Power Management unit According to certification and reconstruction mode  Power Management unit According to certification and reconstruction and reconstruction mode  RS485, Wifi (optional), SD card, Multi-fur		
Protection class / overvoltage category   I/III Input/output SPD(II) Optional Safety protection Anti islanding, RCMU, Ground fault m Certification IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14 CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m SPD MOV: Type III standard / Type III optional Anti Reverse Power Controller (optional) Communication Power management unit According to certification and reconstruction Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur		
Input/output SPD(II)  Safety protection  Anti islanding, RCMU, Ground fault m  IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14 CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  SPD  MOV: Type III standard / Type II op Anti Reverse Power Controller (opt  Communication  Power management unit  According to certification and rec Standard Communication Mode  RS485, Wifi (optional), SD card, Multi-fur		
Safety protection  Anti islanding, RCMU, Ground fault m  IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14  CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  SPD  MOV: Type III standard / Type II op  Anti Reverse Power Controller (opt  Communication  Power management unit  According to certification and rec  Standard Communication Mode  Anti Reverse Power Management unit  According to certification and rec  RS485, Wifi (optional), SD card, Multi-fur		
Certification  IEC 62116,IEC 61727,IEC 61683,IEC 60068(1,2,14 CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  SPD  MOV: Type III standard / Type II op Anti Reverse Power Controller(opt  Communication  Power management unit  Standard Communication Mode  RS485, Wifi (optional), SD card, Multi-fur	onitoring	
CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(m  SPD MOV: Type III standard / Type II op  ARPC Anti Reverse Power Controller(opt  Communication  Power management unit According to certification and rec  Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur	A DELANCE MANAGEMENT OF THE DE	
ARPC Anti Reverse Power Controller (opt  Communication  Power management unit According to certification and received and communication Mode RS485, Wifi (optional), SD card, Multi-fur	CE,CGC,ZVRT,AS4777,AS3100,VDE4105,C10-C11,G59(more available on reque	
Communication       According to certification and rec         Power management unit       According to certification and rec         Standard Communication Mode       RS485, Wifi (optional), SD card, Multi-fur	MOV: Type III standard / Type II optional	
Power management unit According to certification and rec Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur	tional)	
Standard Communication Mode RS485, Wifi (optional), SD card, Multi-fur		
	quest	
O	nction relay	
Operation Data Storage 25 years	·	
General data		
Ambient temperature range -25°C+60°C		
Topology Transformerless		
Degree of protection IP65		
Allowable relative humidity range 0100% no condensing		
Max.operating altitude 4000m		
Noise <60dB		
Weight 68kg 70k		
Cooling Fan	g	
Dimension 737*713*297mm	g	
Display LCD display	g	
Warranty 10 years	кg	