

When design meets innovation

The All New AI02 from SOLTARO



All-One ESS-2ND Generation
Australian Designed&Engineered
Wall Mounted

Expandable Storage
Available in Hybrid or AC Coupled
Inverter Options

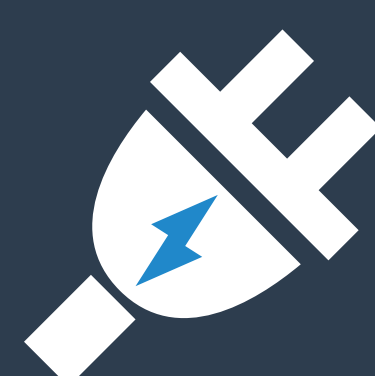
WWW.SOLTARO.COM



10 Year Warranty or
10000
Charging Cycles



Local &
Remote
Monitoring



Plug and Play



Expandable
Storage



Expert
Engineering



Clean Energy

CONTACT US

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MODEL NUMBER	AI02-INSP-3680/AI02-BTLVP-5KWH	AI02-INSP-5000/AI02-BTLVP-5KWH	AI02-INSP-5000/AI02-BTLVP-11KWH
BATTERY INPUT SIDE			
Battery Capacity	LiFeP04 5kWH	LiFeP04 5kWH	LiFeP04 11kWH
Useable Energy	4.5 kWh	4.5 kWh	9.9 kWh
Nominal Battery Voltage	51.2V	51.2V	51.2V
Battery Voltage Range	44.8-57.6V	44.8-57.6V	44.8-56V
Galvanic Isolation for Battery	YES	YES	YES
Max. Charge Current*1*5	50A xN (Max 80A)	50A xN (Max 100A)	100A
Max. Charge Power	2.56kWxN(Max3.68kW)	2.56kWxN(Max 5kW)	5.12kW
Max. Discharge Current*1*5	80A	100A	100A
Max. Discharge Power	3.68kW	5.12kW	5.12kW
Rated DC Power	2.56kW Charge, 3.68kW Discharge	2.56kW Charge, 5.12kW Discharge	5.12kW Charge & Discharge
Max Short Circuit Current	330A	330A	330A
Protection	Over Voltage, Less Voltage, Over Current,Short Circuit, Over Temperature,Under temperature, Lithium Ion: 0~90% DOD Adjustable		
Cycles	10000 Cycles	10000 Cycles	10000 Cycles
Operating temperature range			
Charge temperature range	From 5°C to 50°C	From 5°C to 50°C	From 10°C to 50°C
Discharge temperature range	From -15°C to 55°C	From -15°C to 55°C	From -15°C to 55°C
Nominal weight	(54 ± 1)kg	(54 ± 1)kg	(97 ± 1)kg
Nominal dimensions (W*H*D)	(540 ± 3)mm × (459 ± 3)mm × (210 ± 3)mm	(540 ± 3)mm × (459 ± 3)mm × (210 ± 3)mm	(540 ± 3)mm × (709 ± 3)mm × (210 ± 3)mm

PROTECTION			
Anti-islanding Protection (Frequency Shift: Clause4.3 of AS/NZS 4777.2: 2020)	YES	YES	YES
PV String Input Reverse Polarity Protection	YES	YES	YES
Insulation Resistance Detection	YES	YES	YES
Residual Current Monitoring Unit	YES	YES	YES
Output Over Current Protection	YES	YES	YES
Output Short Protection	YES	YES	YES
Output Over Voltage Protection	YES	YES	YES
I-V curve scanning	YES	YES	YES
Ground Fault Detection	YES	YES	YES
Battery soft start protection	YES	YES	YES

CERTIFICATIONS & STANDARDS	
Grid Regulation	EN50549,IEC61727/62116,G98/G99,VDE4105,C10/C11,NRS097-2-1,CEI0-21,UNE217001,UNE217002, RD647,NTS,BIS,AS4777.2
Safety Regulation	IEC/EN 62109-1/2,
EMC Standard	IEC/EN 61000-1/3,
Warranty	10 Years Standard Warranty/5Years Off-Grid Usage

*1 N is the number of battery modules

*2 4600 for VDE-AR-N4105, 4050 for CE10-21

*3 not exceed 21.7 A for more than 15 s.(AS NZS 4777.2-2020)

*4 The standard configuration is CAN

*5 This value may be reduced by high/low ambient temperatures

** Soltaro AI02-INSP-5000 is compatible with the following battery chemistries: LiFeP04 Manufactured in China

MODEL NUMBER

AI02-INSP-6000/AI02-BTLVP-11KWH

BATTERY INPUT SIDE

Battery Capacity	LiFeP04 11kWH
Useable Energy	9.9kWh
Nominal Battery Voltage	51.2V
Battery Voltage Range	44.8-56V
Galvanic Isolation for Battery	YES
Max. Charge Current*1	100A
Max. Charge Power	5.12kW
Max. Discharge Current*1	100A
Max. Discharge Power	5.12kW
Rated DC Power	5.12kW Charge & Discharge
Max Short Circuit Current	330A
Protection	Over Voltage, Less Voltage, Over Current,Short Circuit, Over Temperature,Under temperature, Lithium Lon:0~90% D0D Adjustable
Cycles	10000 Cycles

PROTECTION

Anti-Islanding Protection	YES
PV String Input Reverse Polarity Protection	YES
Insulation Resistance Detection	YES
Residual Current Monitoring Unit	YES
Output Over Current Protection	YES
Output Short Protection	YES
Output Over Voltage Protection	YES
I-V Curve Scanning	YES
Ground Fault Detection	YES
Battery Soft Start Protection	YES

GENERAL DATA

Grid Regulation	EN50549,IEC61727/62116,G99,VDE4105,C10/C11,NRS097-2-1,CE10-21,UNE217001,UNE217002, RD647,NTS,BIS,AS4777.2
Safety Regulation	IEC/EN 62109-1/2
EMC Standard	IEC/EN 62109-1/2
Warranty	10 Years Standard Warranty/5Years Off-Grid Usage

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*2 4600 for VDE-AR-N4105,4050 for CE10-21

*3 Not exceed 21.7A for more than 15s.[AS NZS 4777.2-2020]

*4 The standard configuration is CAN

**Soltaro AI02-INSP-6000 is compatible with the following battery chemistries: LiFeP04 Manufactured in China