

WHEN LOOKS MATTER.

**Discover the New Soltaro  
All-In-One ESS LITE**



All-in-One ESS  
Australian Designed & Engineered  
Wall or Ground Mounted  
Stackable, to grow with you  
Available in Hybrid or AC Coupled Inverter Options



5 Year Warranty  
or 5,000  
Charging Cycles



Local &  
Remote  
Monitoring



Plug and Play



Expandable  
Storage



Expert  
Engineering



Clean Energy



DEVICE SHORT NAME	Hyper- 5KW/5kWh	Hyper 5KW/10kWh LITE
<b>PV STRING INPUT (DC)</b>		
Max. DC Input Power (W)	6500W	6500W
Max. DC Input Voltage (V)	550V	550V
MPPT Voltage Range (V)	125V~500V	125V~500V
Max. Input Current (A)	10.0A/10.0A	10.0A/10.0A
Max. Short Circuit Current (A)	14.0A/14.0A	14.0A/14.0A
No. of MPP Trackers	2	2
Strings per MPP Tracker	1	1
Galvanic Isolation for PV Modules	Transformerless	Transformerless

<b>BATTERY INPUT SIDE</b>		
Battery Capacity	LiFePO4 5KWH/10KWH (Maximum 3 modules of the same type)	
Useable Energy	4.5 kWh	9kWh
Nominal Battery Voltage	51.2V	51.2V
Battery Voltage Range	40-58.4V	40-58.4V
Galvanic Isolation for Battery	YES	YES
Max. Charge Current*1	50A	100A
Max. Discharge Current*2	100A	100A
Protection	Over Voltage, Less Voltage, Over Current, Short Circuit, Over Temperature Lithium Ion: 0~100% DOD Adjustable, Lead Acid: 0~50 DOD Adjustable	

<b>GRID AC OUTPUT (ON-GRID)</b>		
Nominal Apparent Power Output to Utility Grid (VA)	5000VA	5000VA
Maximum Apparent Power Output to Utility Grid*3	3000VA	3680VA
Nominal Output Voltage (V)	230V	230V
Nominal Output Frequency (HZ)	50/60 HZ	50/60 HZ
Max. AC Current Output to Utility Grid (A)	21.7 A	21.7 A
Max. AC Current from Utility Grid (A)	30 A	30 A
Output Power Factor	~1 (Adjustable from 0.8 leading to 0.8 lagging)	
Output THDI (@Nominal Output)	<3%	<3%

<b>EPS AC OUTPUT DATA (BACK-UP)</b>		
Max. Output Apparent Power (VA)	5000VA	5000VA
Max. Output Current (A)	21.7 A	21.7 A
Nominal Output Voltage (V)	230 (±2%)	230 (±2%)
Nominal Output Frequency (HZ)	50/60 (±2%)	50/60 (±2%)
Output THDv (@Linear Load)	<3%	<3%

<b>EFFICIENCY</b>		
MPPT Efficiency	99.9%	99.9%
Euro Efficiency	97.0%	97.0%
Max. Efficiency	97.5%	97.5%
Max. Battery to Load Efficiency	95%	95%
Standby Power Losses	<0.5W	<0.5W
Topology	High Frequency Isolation	High Frequency Isolation

<b>PROTECTION</b>		
Anti-islanding Protection	YES	YES
PV String Input Reverse Polarity Protection	YES	YES
Insulation Resistor Dection	YES	YES
Residual Current Monitoring Unit	YES	YES
Output Over Current Protection	YES	YES
Output Short Protection	YES	YES
Output Over Voltage Protection	YES	YES

GENERAL DATA	BATTERY	INVERTER	BATTERY
DC Switch	Standard		Standard
Dimensions (W*H*D) (mm)	415x665x165mm	415x675x145mm	415x1135x165mm
Net Weight (KG)	45KG	35kg	85KG
Protection Degree	IP 21		IP 21
Mounting Information	Wall Bracket / Ground Mount	Wall Mount	Wall Bracket / Ground Mount
Operation Temperature Range	0-45°C charge / -20°C - 55°C discharge	-20°C ~ + 60°C	0-45°C charge / -20°C - 55°C discharge
Noise Emission (typical) (dB)	<25dB	<40dB	<25dB
User Interface	APP		APP
Communication with BMS*5	RS 485 & CAN		RS 485 & CAN
Communication with Meter	RS 485		RS 485
Communication with Portal	Wi-Fi		Wi-Fi
Relative Humidity (%)	0~95%	4% ~ 100% Condensing	0~95%
Site Altitude (m)	<400m		<400m
Cooling Concept	Natural Convection	Natural Convection	Natural Convection
Protective Class		I	
Over Voltage Category		III (mains) II (PV)	

<b>CERTIFICATIONS &amp; STANDARDS</b>	
Grid Regulation	VDE-AR-N 4105, VDE0126-1-1, AS4777.2, G83/2, G99, CE10-21, NRS 097-2-1, En50438
Safety Regulation	IEC/EN62109-1&2, IEC62040-1
EMC Standard	EN61000-6-1, EN61000-6-2, EN61000-6-3, EN61000-6-4, EN61000-4.16, EN6100-4.18, EN6100-4.29
Warranty	3 +2 Years Standard Warranty

\*1 N is the number of battery modules  
\*3 21.7A for AS4777.2  
\*5 The standard configuration is CAN

\*2 4600 for VDE 0126-1-1 & VDE-AR-N4105, 4950 for AS4777.2, 4050 for CE10-21  
\*4 Can be reached only if PV and battery power is enough