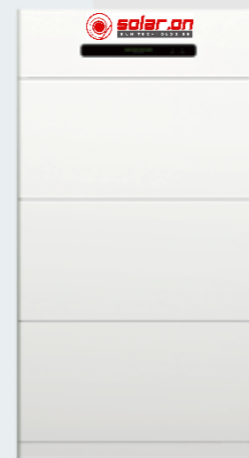


## BATTERY PACK (HV)

ABL-(6.6-16.4)-H



## BATTERY PACK (HV)

ABL-T(10-20)H-H01

Intelligent redundant protection

Remote diagnosis & update

Easy installation and low maintenance

Reliable LFP technology with high cycle stability

Flexible Expansion

Max. IP65 protection

## ALL-IN-ONE ENERGY STORAGE SYSTEM

ASG-5TL-T10H

All-in-One design

Calendar Life > 6000

Remote diagnosis & upgrade

5.5kW Max. AC Output

Automotive-Grade lithium-Ion battery

10.6kwh battery capacity

## BATTERY PACK

	ABL-6.6-H	ABL-9.8-H	ABL-13.1-H	ABL-16.4-H	ABL-T10H-H01	ABL-T15H-H01	ABL-T20H-H01
<b>Battery</b>							
Usable energy	6.55kWh	9.83kWh	13.1kWh	16.38kWh	10.6kWh	15.9kWh	21.2kWh
Battery module	32S1P, 3.27kWh						
Number modules	2	3	4	5	2	3	4
Cell type	LiFePO4						
Nominal voltage	204.8V	307.2V	409.6V	512V	204.8V	307.2V	409.6V
Operating voltage range	182.4-230.4V	273.6-345.6V	364.8-460.8V	456-576V	172.8-230.4V	259.2-345.6V	345.6-460.8V
Nominal power	5.12kW	7.68kW	10.24kW	12.8kW	6kW	9kW	12kW
Max.charge current	25A				30A		
Max.discharge current	25A				30A		
Max.Short circuit current	3500A				/		
Display	LED				LED		
Max.discharge of depth	100%				/		
Communication	RS485/CAN				RS485/CAN		
<b>Protection</b>							
Integrated DC switch					Yes		
Low temperature protection					Yes		
Over voltage protection					Yes		
Over current protection					Yes		
Over temperature protection					Yes		
<b>General Data</b>							
Dimensions (W*H*D)	600*330*764mm	600*330*1021mm	600*330*1278mm	600*330*1535mm	700*200*1000mm	700*200*1350mm	700*200*1700mm
Weight	113kg	157kg	201kg	245kg	115kg	165kg	215kg
Operating temperature range	Charge: 0 -50 °C; Discharge: -10 -50 °C				Charge: 0 -50 °C; Discharge: -20 -50 °C		
Relative humidity	0-95%				5-95%		
Mounting method	Grounded				Grounded		
Ingress protection	IP55				IP65		
Cooling concept	Natural Cooling				Natural Cooling		
Max. Operating altitude	2000m				< 4000m		
Warranty	10 years				10 years		
<b>Standard and certification</b>							
Safety	CE, CEC, IEC 62619, IEC 62040				CE, CEC, IEC 62619, IEC 62040		
EMC	CE, RCM				CE, RCM		
Transportation	UN38.3				UN38.3		

## ALL-IN-ONE ENERGY STORAGE SYSTEM

ASG-5TL-T10H		
<b>PV Input</b>		
Max. PV input power	7.5kW	
Max. PV input voltage	1000V	
Min. input voltage	145V	
MPPT voltage range	150-850V	
Rated input voltage	620V	
Max. PV input current	15A	
Max. short-circuit current	20A	
No. of MPPT trackers	2	
Strings per MPPT tracker	1	
<b>Output AC for On-grid</b>		
Rated power to grid	5kW	
Max. apparent AC power to grid	5.5kW	
Rated grid voltage	3W/N/PE, 380V/400V	
Rated power frequency	50Hz/60Hz	
Max. output current to grid	8.5A	
Max. AC current from grid	17A	
Adjustable displacement power factor	0.8leading-0.8lagging	
THDi	<3%	
<b>Output AC for Back-up</b>		
Max. apparent output power	5kW	
Peak apparent output power (@60s)	10kW for 60s	
Rated power frequency	3W/N/PE, 380V/400V	
Max. output current	8.5A	
Automatic switch time	50Hz/60Hz (+/-0.2%)	
Nominal output voltage	<10ms	
THDv	<3%	
<b>Efficiency</b>		
Max. efficiency	98.00%	
EU efficiency	97.30%	
MPPT efficiency	99.90%	
Battery charged by PV Max. efficiency	98.50%	
Battery charge/discharge from/to AC Max. efficiency	97.60%	
<b>Battery Data (LiFePO4)</b>		
Nominal battery energy	10.6kWh	
Available energy	9.0kWh	
Max. output power	5kW	
Max. charging/discharging current	25A	
Nominal voltage	204.8V	
Working voltage	179.2-230.4V	
Peak power	7kW lasts 10s	
Peak current	35A lasts 10s	
Communication	CAN, RS485	
Working temperature	-20-50 °C	
Protection level	IP65	
Working humidity	5%-95%	
Working altitude	Below 2000m	
Calendar life	>6000 (70% EOL)	
Certification	IEC62619, IEC60730, EN61000, UN38.3	
Warranty	10 years	
Dimension (LxWxH)	1450*700*210mm	
Net weight	135kg	

Note: The specification and key features described in this datasheet may deviate slightly and are not guaranteed. Solar.on reserves the right to make any adjustment to the information described herein at any time without notice. Please always obtain the latest version of the datasheet, any commercial contracts that may be signed will be based on the most recent version at the moment of signing the contract.