



**EVE GRADE A BATTERY CELL    5.12kWH    10.24kWH    14.4kWH**



### More energy available

90% discharge  
Optimising energy at module level



### Flexible investment

Modular design  
Up to 16pcs in parallel



### Safe & Secure

Lithium Iron Phosphate battery (LFP)  
Low voltage safety connection



### Easy installation

Simple and perfect design



### Quick Start up

Smart BMS automatically communicates  
quickly with most hybrid inverters



### Perfectly applicable

Applicable to single-phase and  
three-phase residential inverters

## Compatible inverter brands:

- Deye/Luxpower/Growatt/Megarevo/Goodwe/Must/SRNE/EPEVER/Afore/  
SMA/Studer/Solax/Solis/Sofar/Schneider/Sorotec/SMK/Victron/Voltronic/Inhenergy/...

	PT-ESS-W5120	PT-ESS-W10240	PT-ESS-W14400
<b>BATTERY MODULE SPECIFICATION</b>			
Battery/Cell Type	LFP		
Nominal Voltage (Vdc)	51.2V	51.2V	51.2V
Nominal Capacity (Ah)	100Ah	200Ah	280Ah
Total Energy (Wh)	5120	10240	14400
Max. Charge and Discharge Current (A)	100	150	200
Recommend Charge and Discharge Current (A)	50	80	100
Operating Voltage Range (Vdc)	43.2-57.6		
Recommend Depth of Discharge	90%		
Discharge Cut-off Voltage (V)	40		
Parallel	Up to 16 connected in parallel		
Cycle Life	≥6000 cycles at 70% EOL, 0.2C, 25°C		
Warranty	5 years (designed life 15 years)		
<b>COMMUNICATION</b>			
Display	SOC status indicator		
Communication	RS485 between modules in Parallel, CAN bus/RS485 to inverter,USB to PC Monitoring		
<b>STANDARD COMPLIANCE</b>			
Safety (Cell level)	UL1642 / IEC62619 / CE / ROHS / MSDS /UN38.3		
Safety (Module level)	IEC61000 / CE / ROHS / MSDS /UN38.3		
<b>MECHANICAL SPECIFICATIONS</b>			
Dimensions (W x H x D) (mm)	480*660*150	480*660*240	490*830*240
Weight (kgs)	50	93	120
Mounting	Wall mounted		Floor Standing
Operating Temperature <sup>(4)</sup> Charge/Discharge (°C)	-10 to +50		
Storage Temperature (6 months between recharge) (°C)	-10 to +45		
Cooling Method	Natural convection		
Noise (at 1m distance) (dBA)	<25		

## Hybrid Solar System

